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GREAT LAKES FOREST RESEARCH CENTRE
CENTRE DE RECHERCHE FORESTIÈRE DES GRANDS LACS

Selected Forestry Statistics -- Ontario, 1984

J. H. Smyth and K. L. Ramsay

Miscellaneous Report No. 13

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THE GREAT LAKES FOREST RESEARCH CENTRE

The Great Lakes Forest Research Centre is one of six regional establishments located across Canada and operated by the Canadian Forestry Service. The overall objective of the Service is to promote the preservation, enhancement and wise use of a healthy, attractive and bountiful forest resource and terrestrial environment for the economic and social benefit of all Canadians. The Centre pursues this objective by conducting two major programs: research and technical services and forestry development. Both programs address major problems affecting forest management and the forest environment primarily in Ontario, but because of the transprovincial nature of the forest resource, many elements of our research program are of national significance.

Forestry problems are continually assessed by the Canada-Ontario Joint Forestry Research Committee, made up chiefly of senior members of the Centre and the Ontario Ministry of Natural Resources. The Committee ensures that the research resources of both agencies are effectively transmitted to the forest managers in order to improve forest production and protection, and the quality of the environment.

Staff of the forestry development program negotiate and administer federal-provincial cost-sharing agreements with the province of Ontario, conduct economic studies, and implement job creation programs in the forest sector. Again, this requires close cooperation with the Ontario Ministry of Natural Resources and with other provincial and federal agencies concerned with the forest sector.

Close working relations are also maintained by the Centre with educational institutions specializing in forestry and the biological sciences, with the forest industry, and with other forestry organizations in the province.

The Centre recognizes that forested land must be managed in the best public interest, not only for the wood production essential to our economy but also for the recreational purposes that are so important to our social well-being. These goals must be achieved in a manner that will maintain or improve the quality of the forest environment and preserve it for generations to come.

SELECTED FORESTRY STATISTICS -- ONTARIO, 1984

J.H. SMYTH and K.L. RAMSAY

GREAT LAKES FOREST RESEARCH CENTRE

CANADIAN FORESTRY SERVICE

GOVERNMENT OF CANADA

1984

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ABSTRACT

Selected Forestry Statistics--Ontario, 1984 contains ready references and valuable information for members of the forest community and other interested individuals seeking quantitative data on Ontario's forest sector.

The publication contains statistics on forest management, the forest industry, commodity production and trade, principal statistics by industry group, federal-provincial forestry agreements including those with forestry components, forest sector collective bargaining settlements, price indices, and financial data.

RÉSUMÉ

Selected Forestry Statistics--Ontario, 1984 est un recueil d'informations facile à consulter qui sera utile aux forestiers et aux autres personnes intéressées à obtenir des données quantitatives sur le secteur forestier en Ontario.

Il s'agit d'un recueil de statistiques concernant l'aménagement des forêts, l'industrie, la production et le commerce des produits forestiers, les caractéristiques principales de divers groupes composant l'industrie, les accords fédéraux-provinciaux touchant le secteur forestier, les conventions collectives, les indices des prix et les données financières.

FOREWORD

This publication is a comprehensive compilation of selected data relating to the forest sector in Ontario. It was prepared to meet the ever-increasing demand of resource managers, government, the academic community, consultant groups, and the general public for forestry statistics. It contains a variety of statistics, in tabular form, on the forest industry, forest management, production, and employment. In several instances, other provincial and national statistics are provided along with those of Ontario to provide a comparison and measurement of Ontario's relative importance.

Several tables in the publication identify information by "regions". Those regions, namely Northwestern, North Central, Northern, Northeastern, Algonquin, Eastern, Central and Southwestern, refer to the eight administrative regions of the Ontario Ministry of Natural Resources. They are outlined for the user's information on the map on the following page.

This publication was undertaken as part of the responsibility of the Canadian Forestry Service to improve and expand the information base of the forest sector. The Canadian Forestry Service regional research centres and the Forestry Statistics and Systems Branch located at the Petawawa National Forestry Institute, Chalk River cooperate to produce regional and national statistics and are committed to ensuring continuity of effort in gathering, processing and analyzing forestry information across Canada.

Frontispiece: Ontario Ministry of Natural Resources administrative regions.

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SECTION I

ONTARIO'S PULP AND PAPER INDUSTRY

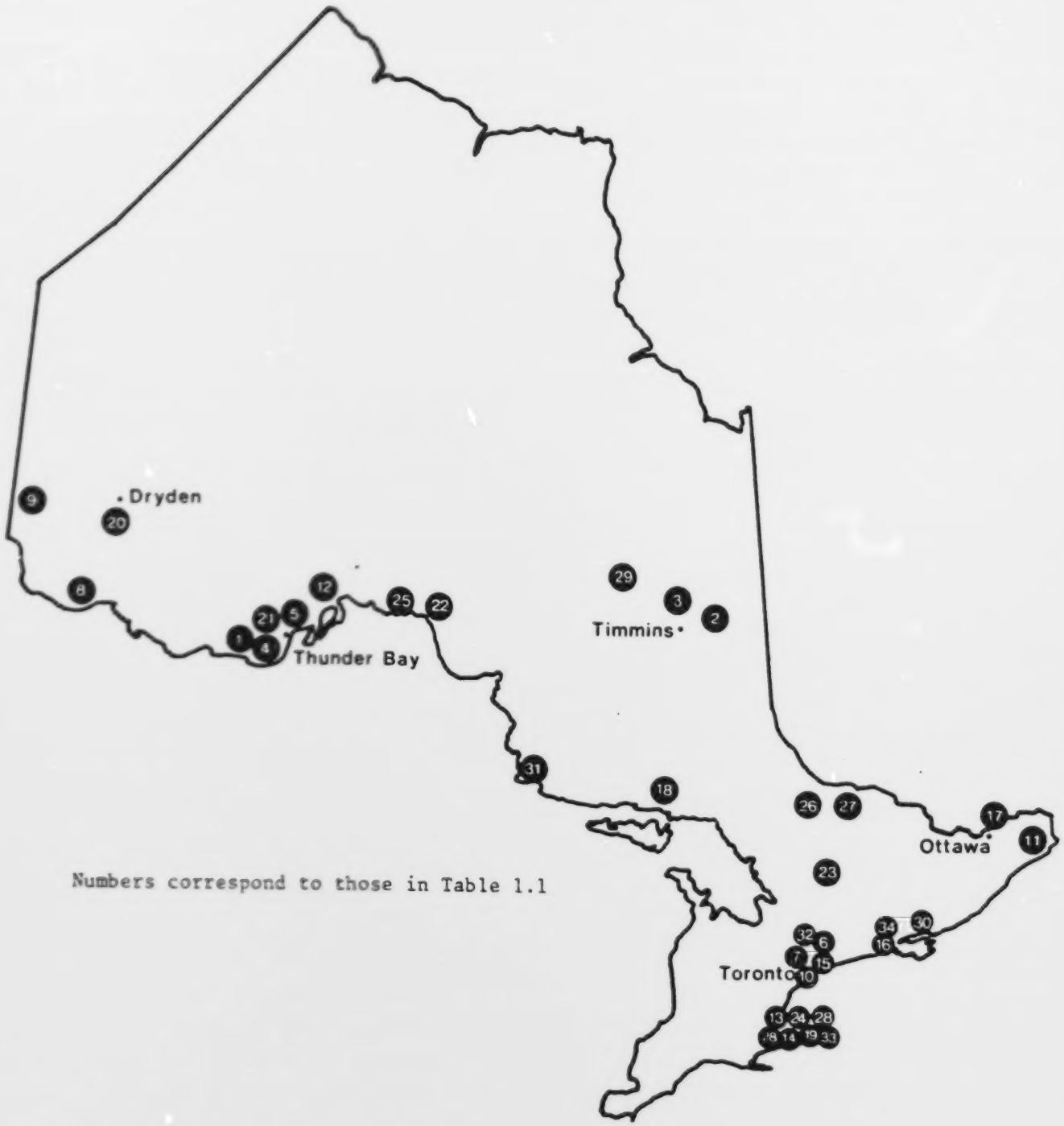

Figure 1. The Ontario pulp and paper industry.

Table 1.1. Pulp and paper mills, Ontario

	Company	Pulping process and capacity (metric tonnes/day)	Species utilized[a]	Paper/board production and capacity (metric tonnes/day)	Number of employees (approx.)
1	Abitibi-Price Inc., Port William Div., Thunder Bay, P7C 4V8 807-623-6486	groundwood pulp - 272 semi-chemimechanical pulp - 127	jP, wS, bF	newsprint - 400	300
2	Abitibi-Price Inc., Iroquois Falls, P0K 1E0 705-258-3931	groundwood pulp - 650 unbleached sulphite - 230	jP, bF, wS, bS	newsprint - 760 wrappers - 46	1260
3	Abitibi-Price Inc., Smooth Rock Falls, P0L 2B0 705-338-4910	bleached kraft - 286	bF, jP, wS, bS		435
4	Abitibi-Price Inc., Thunder Bay Div., Thunder Bay, P7B 5E9 807-683-6235	mechanical pulp - 346 unbleached sulphite - 115	bF, jP, wS	newsprint - 426	375
5	Abitibi-Price Inc., Port Arthur Div., Thunder Bay, P7B 5E9 807-683-6211	groundwood pulp - 136	wB, bF, Po, wS	fine papers - 304	925
6	Atlantic Packaging Products Ltd., 11 Progress Ave., Scarborough, M1P 2Y9 416-298-8101	secondary fiber - 27		paper/board - 318 tissue - 54	100

(cont'd)

Table 1.1. Pulp and paper mills, Ontario (cont'd)

	Company	Pulping process and capacity (metric tonnes/day)	Species utilized[a]	Paper/board production and capacity (metric tonnes/day)	Number of employees (approx.)
7	Belkin Paperboard, 495 Commissioners St., Toronto, M4M 1A5 416-461-8161			paper/board - 325	220
8	Boise Cascade Canada Ltd., 1455 Idylwild Dr., Fort Frances, P9A 3M3 807-274-5311	groundwood pulp - 426 bleached kraft - 463	bP, jP, wS, bS	groundwood specialty - 589	950
9	Boise Cascade Canada Ltd., Box 5000, Kenora, P9N 3X9 807-468-6411	groundwood pulp - 522 unbleached sulphite - 222	wB, jP, Po, bS, wS	newsprint - 800	850
10	Dominion Cellulose Ltd., 1551 Weston Rd., Toronto, M6M 4Y4 416-243-3011			tissues - 227	510
11	Domtar Fine Papers, 1800 2nd Street West, Cornwall, K6H 5S3 613-932-6620	bleached kraft - 408	Po Be, Ba, E, H, wB	fine papers - 544 paperboard - 181	1490
12	Domtar Inc., Red Rock, P0T 2P0 807-886-2211	groundwood pulp - 181 semi-bleached and unbleached kraft - 703	bP, jP, bS, Po, wB	newsprint - 210 linerboard - 680	650

(cont'd)

Table 1.1. Pulp and paper mills, Ontario (cont'd)

	Company	Pulping process and capacity (metric tonnes/day)	Species utilized[a]	Paper/board production and capacity (metric tonnes/day)	Number of employees (approx.)
13	Domtar Inc., 343 Glendale Ave., St. Catherines, L2T 2L9 416-227-3721			fine paper/board - 181	260
14	Domtar Inc., P.O. Box 10, Thorold, L2V 3Y7 416-227-3714			building papers - 95	53
15	Domtar Inc., P.O. Box 6060 Stn. 'J', Toronto, M4J 4Y4 416-425-3111			fine paper/board - 35	100
16	Domtar Packaging, Box 807, Trenton, K8V 5R8 613-392-6505	semi-chemical - 136 secondary fiber - 63	Po, wB, A, Be, Ba, E, wB	paperboard - 190	132
17	E.B. Eddy Forest Products Ltd., Ottawa Mill, P.O. Box 600, Hull, Que. J8X 3Y7 819-595-5211			fine and specialty papers - 168	793
18	E. B. Eddy Forest Products Ltd., Espanola, P0P 1C0 705-869-2020	bleached and unbleached kraft - 830	wS, bS. jP, bF	packaging and specialty papers - 108	1000

(cont'd)

Table 1.1. Pulp and paper mills, Ontario (cont'd)

	Company	Pulping process and capacity (metric tonnes/day)	Species utilized[a]	Paper/board production and capacity (metric tonnes/day)	Number of employees (approx.)
19	Fraser Inc., P.O. Box 1046, Thorold, L2V 3Z7 416-227-5271			fine papers - 250	650
20	Great Lakes Forest Products Ltd., Box 430, Dryden, P7C 4W3 807-223-2323	kraft market pulp - 599	jP, bF, bS, wS	book and specialty papers - 215	1610
21	Great Lakes Forest Products Ltd., Box 430, Thunder Bay, P7C 4W3 807-475-2110	bleached kraft - 1280 unbleached sulphite - 300 groundwood - 910	bF, jP, wS, bS	newsprint - 1225	3620
22	James River-Marathon Inc., Marathon, P0T 2E0 807-229-1200	bleached kraft - 454	bF, jP, Po, bS, wS		529
23	Kimberly-Clark of Canada Ltd., P.O. Box 790, Huntsville, P0A 1K0 705-789-4487			tissues - 100	180
24	Kimberly-Clark of Canada Ltd., St. Catherines, L2T 2L9 416-227-1161			tissue and specialty papers - 90	200

(cont'd)

Table 1.1. Pulp and paper mills, Ontario (cont'd)

	Company	Pulping process and capacity (metric tonnes/day)	Species utilized[a]	Paper/board production and capacity (metric tonnes/day)	Number of employees (approx.)
25	Kimberly-Clark of Canada Ltd., Terrace Bay, P0T 2W0 807-825-3211	bleached kraft - 1030	bF, jP, bS, wS		650
26	MacMillan Bloedel Ltd., Sturgeon Falls, P0H 2G0 705-753-2170	semi-chemical - 249	Po, wB	corrugating medium - 204 hardboard	400
27	Nordfibre Co., P.O. Box 910, North Bay, P1B 8K1 705-474-2300	groundwood pulp - 108	Po	paper/board - 109	215
28	The Ontario Paper Co. Ltd., Thorold, L2V 3Z5 (416)-227-1121	unbleached, sulphite - 225 TMP - 360 chemimechanical - 180	Po, jP, wS, bS	newsprint - 610	1350
29	Spruce Falls Power and Paper Co. Ltd., Kapuskasing, P5N 2Y2 705-335-2311	groundwood pulp - 690 TMP - 400	bF, jP, bS, wS, Po	newsprint - 950	1500
30	Strathcona Paper Co., P.O. Box 130, Napanee, K7R 3L6 613-378-6672			paper/board - 135	280

(cont'd)

Table 1.1. Pulp and paper mills, Ontario (concl.)

	Company	Pulping process and capacity (metric tonnes/day)	Species utilized[a]	Paper/board production and capacity (metric tonnes/day)	Number of employees (approx.)
31	St. Marys Paper Inc., Sault Ste. Marie, P6A 5P4 705-949-6444	groundwood pulp - 323	jP, bF, wS, bS, Po	groundwood specialty papers - 350	535
32	Sunoco Ltd., Sub. of Sunoco Products Co., 33 Park Ave. E. Box 1208, Brantford, N3T 5T5 519-752-6591			paper/board - 91	280
33	The Beaver Wood Fibre Co. Ltd., Thorold, L2V 3Z8 416-227-6651			paper/board - 263	160
34	Trent Valley Paperboard Mills, Box 821, Trenton, K8V 5R8 613-392-1231			paper/board - 273	290

[a] Species utilized: jP - jack pine, wS - white spruce, wB - white birch, Ba - basswood, M - maple, wP - white pine, bS - black spruce, Be - beech, bF - balsam fir, Po - poplar, A - aspen, E - elm

Sources: Anon. 1983. Primary wood using industries in Ontario 1983. Ont. Min. Nat. Resour., Toronto, Ont. 140 p.
Anon. 1984. Pulp and paper directory. Miller Freeman Publ. Inc. 237 p.
Statistics Canada, Catalogue No. 36-204

Table 1.2. **Pulpwood and wood residue consumption in Ontario, 1971-1982**

	Roundwood		Wood residue (woodchips)	Total
	Softwood	Hardwood		
	(m^3)		(m^3)	(m^3)
1971	8 826 188	1 622 895	1 792 745	12 241 828
1972	9 246 347	1 620 098	2 065 747	12 932 192
1973	9 231 612	1 475 923	2 403 626	13 111 161
1974	9 921 438	1 527 128	2 559 116	14 007 682
1975	6 739 000	933 000	1 763 000	9 435 000
1976	7 874 789	1 257 772	2 337 957	11 470 518
1977	9 146 015	1 304 872	3 368 456	13 819 343
1978	9 103 189	1 560 242	3 881 157	14 544 588
1979	9 672 002	1 519 145	4 107 950	15 299 097
1980	10 277 540	1 431 896	4 153 287	15 862 723
1981	9 779 330	1 655 178	4 319 348	15 753 856
1982	8 634 784	1 528 586	3 477 127	13 640 497

Source: Statistics Canada, Catalogue No. 36-204

Table 1.3. Pulpwood and wood residue consumption by province, 1970-1982

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
							('000 m^3)						
Roundwood													
Softwood													
Quebec	16 308	14 714	14 191	12 755	15 154	12 642	12 722	12 349	12 883	13 095	11 669	12 037	11 246
Ontario	9 400	8 826	9 246	9 232	9 921	6 739	7 875	9 146	9 103	9 672	10 278	9 779	8 635
British Columbia	9 600	8 610	8 475	9 411	8 774	6 256	6 714	5 663	6 046	5 958	6 594	6 125	4 803
Other provinces	9 898	8 901	9 760	11 324	11 878	10 980	11 263	10 543	11 052	11 950	11 894	12 368	10 414
Total	44 206	41 051	41 672	42 722	45 727	36 618	38 574	37 701	39 084	40 675	40 435	40 309	35 098
Hardwood													
Quebec	1 441	1 343	1 489	1 571	1 574	849	1 019	1 106	1 336	1 391	1 355	1 441	1 183
Ontario	1 805	1 623	1 620	1 476	1 527	933	1 258	1 305	1 560	1 519	1 432	1 655	1 529
British Columbia	242	232	294	401	380	179	241	--	--	--	--	--	--
Other provinces	645	995	1 441	1 625	1 650	925	830	1 931	1 843	1 326	1 240	1 312	1 116
Total	4 131	4 193	4 844	5 073	5 131	2 886	3 348	4 342	4 739	4 236	4 027	4 408	3 828
Wood Residue													
Wood chips													
Quebec	2 707	3 370	3 934	3 977	4 819	4 406	6 780	6 263	7 868	9 764	9 694	9 994	9 635
Ontario	1 625	1 793	2 066	2 404	2 559	1 763	2 338	3 368	3 881	4 108	4 153	4 319	3 477
British Columbia	10 390	12 271	13 583	16 285	16 703	13 017	19 050	18 019	19 332	20 264	20 211	18 075	17 676
Other provinces	1 355	2 143	2 431	3 066	3 969	2 956	4 108	3 173	3 037	3 025	3 797	3 422	2 622
Total	16 077	19 577	22 014	25 732	28 050	22 142	32 276	30 823	34 118	37 161	37 855	35 810	33 411
Other Wood Residue and Scrap													
Quebec	-X-	-X-	-X-	-X-	-X-	-X-	-X-	1 155	1 276	1 365	1 336	1 363	1 142
Ontario	-X-	-X-	-X-	-X-	-X-	-X-	-X-	-X-	-X-	-X-	-X-	-X-	-X-
British Columbia	-X-	-X-	-X-	-X-	-X-	-X-	-X-	1 160	1 282	1 240	1 377	1 210	1 487
Other provinces	-X-	-X-	-X-	-X-	-X-	-X-	-X-	775	914	1 287	1 107	1 285	957
Total	1 310	1 391	1 877	1 912	2 251	1 915	2 565	3 090	3 472	3 893	3 820	3 858	3 603
Grand total	65 726	66 212	70 407	75 439	81 159	63 560	76 763	75 956	81 413	85 965	86 131	84 385	75 940

-X-Confidential

-- Insignificant

Source: Statistics Canada, Catalogue No. 36-204

Table 1.4. **Wood pulp production and consumption in Ontario and Canada, 1967-1982**

Year	Production		Ont. as % of Can.	Consumption		Ont. as % of Can.
	Ontario (metric tonnes)	Canada		Ontario (metric tonnes)	Canada	
1967	3 282 895	14 385 555	22.8	2 494 499	10 345 146	24.1
1968	3 305 817	15 205 889	21.7	2 472 493	10 554 861	23.4
1969	3 593 399	16 864 460	21.3	2 674 441	11 625 032	23.0
1970	3 600 683	16 608 604	21.7	2 672 321	11 586 087	23.1
1971	3 447 429	16 541 206	20.8	2 579 151	11 316 582	22.8
1972	3 572 171	17 453 405	20.5	2 629 758	11 903 030	22.1
1973	3 668 985	18 562 565	19.8	2 826 472	12 484 992	22.6
1974	3 877 502	19 678 159	19.7	2 981 685	13 037 431	22.9
1975	2 540 483	15 112 744	16.8	1 861 647	10 024 814	18.6
1976	3 060 329	17 946 114	17.1	2 327 618	11 526 630	20.2
1977	3 662 361	18 167 792	20.2	2 718 440	11 821 249	23.0
1978	4 126 664	20 152 457	20.5	3 198 993	13 537 149	23.6
1979	4 321 817	20 728 490	20.8	3 383 751	13 787 542	24.5
1980	4 368 097	20 687 143	21.1	3 332 192	13 521 571	24.6
1981	4 394 267	20 572 085	21.4	3 264 151	13 759 262	23.7
1982	3 752 791	18 513 570	20.3	2 878 170	12 358 890	23.3

Source: Statistics Canada, Catalogue No. 36-204

Table 1.5. Paper production by kind, Ontario, 1967-1982

Year	Newsprint	Change (%)	Paper-board	Change (%)	Printing and writing paper	Change (%)	Wrapping paper	Change (%)	Other paper	Change (%)	Total paper production	Change (%)
					('000 metric tonnes)							
1967	1 647.3	- 1.8	498.0	+ 1.3	385.0	- 1.5	77.0	- 2.1	65.8	+ 0.8	2 673.0	- 1.1
1968	1 596.5	- 3.1	504.0	+ 1.2	406.1	+ 5.5	83.6	+ 8.6	88.8	+35.0	2 679.0	+ 0.2
1969	1 745.2	+ 9.3	520.8	+ 3.1	425.8	+ 4.8	86.3	+ 3.1	108.1	+21.8	2 886.4	+ 7.7
1970	1 685.2	- 3.4	538.1	+ 3.3	483.2	+13.5	64.0	-25.8	112.6	+ 4.1	2 883.1	- 0.1
1971	1 572.7	- 6.7	578.8	+ 7.6	465.9	- 3.6	70.2	+ 9.6	105.6	- 6.2	2 829.5	- 1.6
1972	1 624.3	+ 3.3	624.0	+ 7.8	509.6	+ 9.4	61.9	-11.9	115.3	+ 9.2	2 935.0	+ 3.7
1973	1 769.2	+ 8.9	726.7	+16.5	519.9	+ 2.0	84.0	+35.8	132.2	+14.6	3 231.9	+10.1
1974	1 778.2	+ 0.5	754.8	+ 3.9	633.5	+21.8	91.4	+ 8.9	146.0	+10.4	3 403.8	+ 5.3
1975	1 140.2	-35.9	419.5	-44.4	370.1	-41.6	52.2	-43.0	117.3	-19.6	2 099.2	-38.3
1976	1 410.5	+23.7	545.2	+30.0	446.6	+20.7	57.7	+10.6	131.9	+12.5	2 591.8	+23.5
1977	1 610.3	+14.2	626.0	+14.8	643.1	+44.0	68.0	+17.9	139.1	+ 5.5	3 086.4	+19.1
1978	1 663.2	+ 3.3	693.9	+10.8	744.6	+15.8	76.3	+12.2	139.2	+ 0.1	3 317.1	+ 7.5
1979	1 743.0	+ 4.8	746.4	+ 7.6	837.9	+12.5	70.0	- 8.2	155.8	+11.9	3 553.2	+ 7.1
1980	1 733.9	- 0.5	760.6	+ 1.9	807.3	- 3.7	61.1	-12.7	159.1	+ 2.1	3 521.9	- 0.9
1981	1 742.7	+ 0.5	777.7	+ 2.2	817.8	+ 1.3	60.9	- 0.1	163.4	+ 2.7	3 562.5	+ 1.2
1982	1 415.8	-18.8	675.9	-13.1	840.7	+ 2.8	57.5	- 5.6	162.7	-0.4	3 152.7	-10.5

Source: Statistics Canada, Catalogue No. 36-204

Table 1.6. Pulp, paper and paper products exported from Ontario, 1983

	Total exports		To U.S.A.		To all other countries	
	(tonnes)	($ 000)	(tonnes)	($ 000)	(tonnes)	$ 000)
Pulp						
Dissolving and special alpha	269	184	269	184	—	—
Sulphate, paper grades						
Bleached softwood	926 574	459 198	816 759	405 683	109 815	53 515
Bleached hardwood	119 956	57 949	118 017	57 129	119 838	820
Semi-bleached	17 400	9 494	16 293	8 931	1 107	563
Unbleached	16 104	7 638	16 085	7 630	19	8
Sulphite, paper grades						
Bleached	629	295	529	255	100	40
Unbleached, strong	9 029	3 303	2 081	788	6 948	2 515
Unbleached, news grade	49	18	49	18	—	—
Mechanical						
Bleached	—	—	—	—	—	—
Unbleached	919	312	373	115	546	197
Other pulps	264	111	264	111	—	—
Newsprint	1 571 302	845 077	1 568 452	843 740	2 550	1 337
Other paper and paperboard						
Wrapping paper						
Bleached sulphite and sulphate	16 647	20 490	16 228	19 949	419	541
Unbleached sulphite	2 400	2 097	2 043	1 692	357	405
Miscellaneous furnishes	62	73	50	32	12	41
Wrapping paper N.E.S.	236	231	236	231	—	—
Book, writing and other printing						
Groundwood printing	320 110	188 176	319 991	188 075	119	101
Paper for printing	50 510	39 834	50 019	39 279	491	555
Writing and reproduction	57 106	44 644	45 323	33 795	11 783	10 849
Fine paper	15 118	14 478	13 303	12 897	1 815	1 581
Base stock for coated print paper	177	137	177	137	—	—
Hanging paper unprinted	—	—	—	—	—	—
Paperboard						
Linerboard	18 343	6 229	18 038	6 234	5	5
Corrugating	7 678	2 728	7 659	2 723	19	5
Solid bleached and folding boxboard	15 291	8 813	15 291	8 813	—	—
Set-up boxboard	—	—	—	—	—	—
Other paperboard	25 322	8 959	25 002	8 759	320	200
Wet machine board	124	79	124	79	—	—
Building board						
Rigid insulating board	1 646	574	1 609	562	37	12
Hardboard	2 527	2 313	2 521	2 310	6	3
Other building board	152	131	101	94	51	37
Asphalt shingles	151 332	30 638	150 688	30 508	644	130
Building and roofing paper	34 220	9 939	34 140	9 913	80	26
Tissue paper, except sanitary	6 696	7 979	6 257	7 458	439	521
Sanitary	14 551	15 990	6 125	6 297	8 426	7 564
Paper products						
Wallpaper, printed	11 162	57 656	10 788	56 052	374	1 604
Other converted papers	4 702	10 120	2 861	5 741	1 841	4 379
Total	3 418 007	1853 800	3 267 745	1766 274	268 161	87 584

— Nil or zero

Source: Statistics Canada, Special Compilation

Table 1.7. **Price indices[a] for selected pulp and paper commodities, 1963-1983**

Year	Fine paper writing and reproduct'n (domestic)	Container board and liner brd (domestic)	Bleached sulphite pulp (export)	Bleached[b] sulphate pulp (export)	Unbleached sulphate pulp (export)	Newsprint (white) in rolls (export)
1963	81.9	95.4	83.9		83.5	91.9
1964	84.0	96.3	88.7		90.1	91.8
1965	84.7	96.3	92.0		89.8	91.7
1966	88.5	95.7	91.9		90.3	94.0
1967	93.2	96.5	92.0		90.9	96.8
1968	91.9	96.8	91.4		88.3	97.4
1969	95.9	98.2	93.7		91.2	100.7
1970	97.8	99.0	102.8		103.9	100.3
1971	100.0	100.0	100.0	100.0	100.0	100.0
1972	102.5	103.2	97.1	93.4	92.3	102.8
1973	116.9	114.0	120.6	117.5	119.5	109.4
1974	152.4	141.9	191.8	187.7	189.1	136.7
1975	162.5	153.4	235.9	238.9	236.0	172.2
1976	161.6	162.5	218.8	230.6	226.9	177.6
1977	165.0	166.7	220.8	233.1	221.3	210.4
1978	173.6	171.7	210.2	213.1	216.0	236.4
1979	197.9	200.2	279.4	278.9	303.0	268.1
1980	219.0	238.5	342.1	341.0	379.0	300.2
1981	242.1	272.4	356.3	358.9	400.2	342.7
1982	256.4	279.4	341.1	339.4	383.9	358.9
1983	257.6	286.6	303.7	293.9	317.8	337.6

[a] 1971 = 100

[b] In 1971, indices for bleached sulphate pulp were discontinued. The new export index applies only to bleached softwood grades, and is not comparable with the index of the old series.

Source: Canadian Pulp and Paper Association, reference tables. Annual. Statistics Canada, Catalogue No. 61-011.

SECTION II

ONTARIO'S SAWMILL INDUSTRY

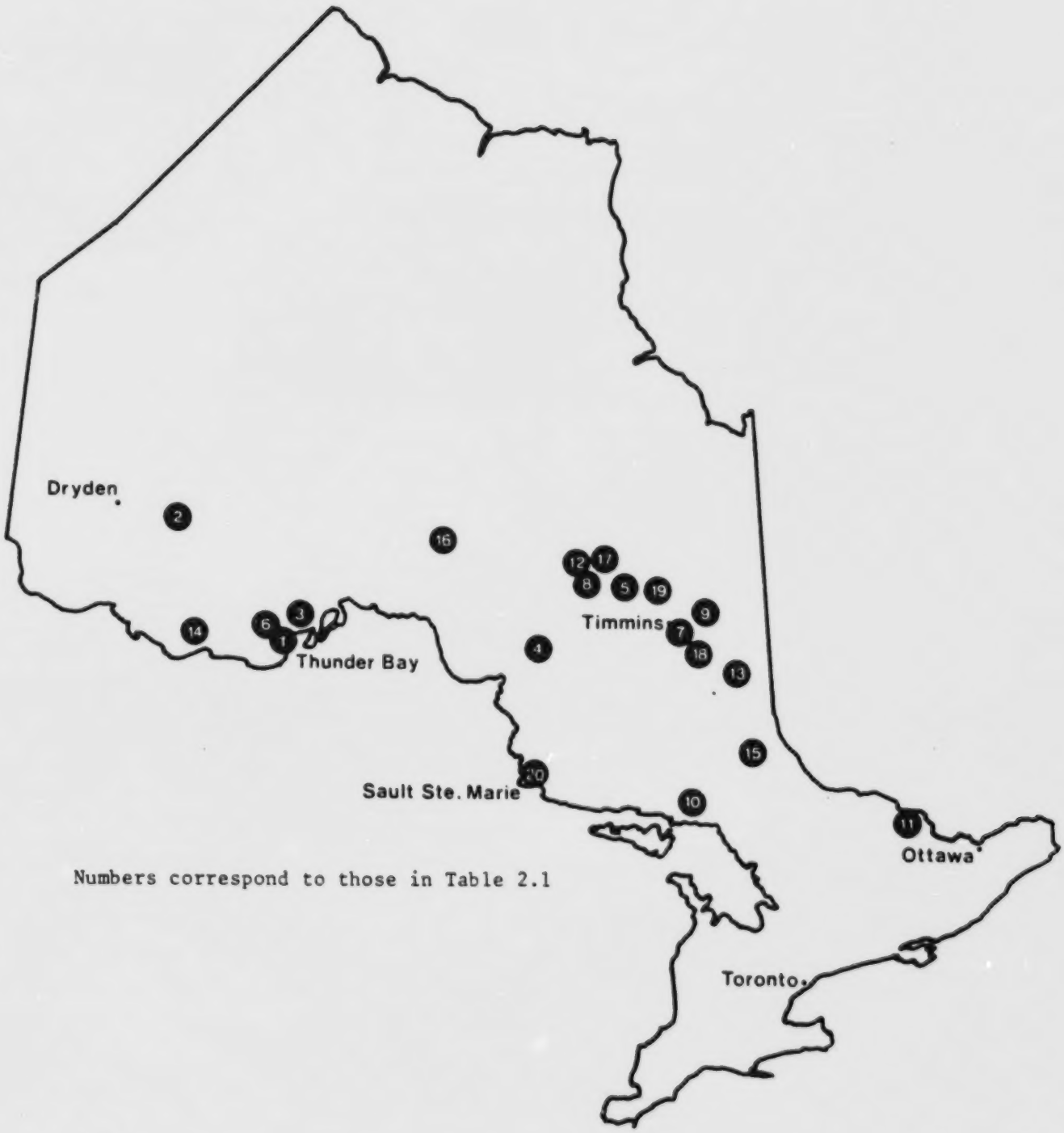

Figure 2. Ontario's top 20 sawmills, 1983

Table 2.1. **Ontario's top 20 sawmills, 1983**[a]

	Name of company	Address
1	Great Lakes Forest Products Ltd.	Box 430 Thunder Bay, P7C 4W3 807-475-2110
2	McKenzie Forest Products Inc.	Box 190 Hudson, P0V 1X0 807-582-3271
3	Great West Timber Ltd.	Box 3170 Thunder Bay, P7B 5G6 807-344-8464
4	Dubreuil Brothers Ltd.	Pine St. Dubreuilville, P0S 1B0 705-884-2525
5	Spruce Falls Power and Paper Co.	Box 100 Kapuskasing, P5N 2Y2 705-335-2311
6	Northern Wood Preservers Inc.	Box 2990 Thunder Bay P7B 5G5 807-344-8451
7	Malette Lumber Inc.	Box 1090 Timmins, P4N 7J3 705-267-1462
8	United Sawmill Ltd.	Box 880 Hearst, P0L 1N0 705-362-4227
9	Normick Perron Inc.	Box 1059 Cochrane, P0L 1C0 705-272-4321
10	E.B. Eddy Forest Products Ltd.	Nairn Centre, P0M 2L0 705-869-4020

(cont'd)

Table 2.1. **Ontario's top 20 sawmills, 1983**[a] (concl.)

	Name of Company	Address
11	Consolidated Bathurst Inc., Gilles Bros. & Co. Ltd.	Braeside, K0A 1G0 613-623-4211
12	Custom Sawmill (Hearst) Ltd.	Box 460 Hearst, P0L 1N0 705-362-4217
13	Normick Perron Inc.	Box 1120 Kirkland Lake, P2N 3M7 705-642-3216
14	Atikokan Forest Products Inc.	Atikokan, P0T 1C0 807-597-6971
15	Elk Lake Planing Mill Ltd.	Box 9 Elk Lake, P0J 1G0 705-678-2110
16	Kimberly-Clark of Canada Ltd.	Longlac P0T 2A0 807-876-2224
17	Lecours Lumber Co. Ltd.	Box 9000 Hearst, P0L 1N0 705-362-4369
18	E.B. Eddy Forest Products Ltd. McChesney Lumber Division	Box 150 Timmins, P4N 7C9 705-264-2244
19	Abitibi-Price Inc.	Smooth Rock Falls, P0L 2B0 705-338-4910
20	G.W. Martin Ltd.[b]	45 Third Ave. W. Sault Ste. Marie, P6A 5P7 705-759-1500

[a] Ranked in order of 1983 lumber production

[b] Weyerhaeuser Canada Ltd. sold its Sault Ste. Marie operations to G.W. Martin Veneer Ltd. in April, 1984. (Sault Star, 11 April 1984)

Source: Anon. 1984. 1984 Ontario forest industry statistical reports. Ont. Min. Nat. Resour., Toronto, Ont. 63 p.

Table 2.2. Lumber production in Ontario by species, 1970-1983

Year	Spruce, balsam and jack pine	Red and white pine	Hemlock	Other soft-woods	Total soft-woods	Birch	Elm	Oak	Maple	Poplar	Other hard-woods	Mixed hard-woods	Total hard-woods	Total[a] lumber, all species
						('000 m^3)								
1970	1 090.4	314.3	48.7	9.6	1 471.3	75.9	55.8	NA	219.4	36.2	81.6	NA	470.6	1 942.2
1971	1 360.9	288.5	33.1	11.6	1 694.2	76.2	39.6	NA	237.3	30.6	91.2	NA	475.4	2 169.6
1972	1 499.9	305.8	34.0	8.8	1 848.8	88.1	37.7	NA	272.1	35.4	93.4	NA	550.2	2 375.5
1973	1 938.6	372.4	37.7	10.8	2 359.6	66.3	30.9	NA	293.4	75.9	136.8	NA	602.9	2 962.5
1974	1 850.7	344.3	41.6	11.9	2 256.3	86.1	25.8	NA	319.7	60.3	120.9	NA	612.8	2 869.3
1975	1 583.5	329.6	37.7	14.4	1 965.2	59.2	15.9	22.4	225.7	44.2	51.2	23.5	445.7	2 410.9
1976	1 961.2	367.0	35.4	12.7	2 376.3	83.0	37.4	21.0	221.7	42.5	54.1	29.2	489.0	2 865.4
1977	2 483.5	374.9	51.2	8.9	2 918.6	67.8	8.5	27.2	275.5	57.5	69.9	19.3	525.6	3 444.2
1978	2 826.1	460.4	51.8	11.3	3 349.6	67.1	9.6	36.8	306.1	69.7	76.5	77.6	643.4	3 993.0
1979	2 778.4	428.7	58.9	31.7	3 297.8	75.6	6.1	39.0	344.7	83.2	109.1	37.5	685.6	3 983.4
1980	3 079.3	434.7	60.4	34.0	3 608.0	73.7	11.3	35.2	303.5	77.9	83.5	88.8	673.8	4 281.8
1981	3 108.3	429.4	69.5	17.5	3 617.0	80.2	3.0	40.3	276.3	93.1	84.2	33.1	610.1	4 227.1
1982	2 358.2	302.5	.8	9.9	2 793.0	47.9	1.6	35.0	200.2	56.7	55.1	46.0	450.3	3 243.3
1983	3 055.4	408.5	49.0	13.2	3 606.0	52.7	-	40.2	264.0	76.5	55.4	28.2	510.6	4 116.6

NA - Not available

- Elm no longer reported.

[a] Totals may not be precise because figures have been rounded.

Source: Anon. Ontario forest industry statistical reports. Ont. Min. Nat. Resour., Toronto, Ont. Annual, various issues.

Table 2.3. Lumber production in northern Ontario by administrative region, 1977-1983

Year	Type	Region				
		North-western	North central	Northern	North-eastern	Total
				(000 m^3)		
1977	softwood	168.4	713.4	1 239.3	500.4	2 621.5
	hardwood	1.2	41.1	3.6	101.2	147.1
		169.6	754.5	1 242.9	601.6	2 768.6
1978	softwood	256.0	824.0	1 352.4	555.7	2 988.1
	hardwood	.5	79.7	5.1	112.2	197.5
		256.5	903.7	1 357.5	667.9	3 185.6
1979	softwood	262.3	633.8	1 496.8	529.8	2 922.7
	hardwood	3.7	27.1	10.0	130.6	171.3
		266.0	660.9	1 506.8	660.4	3 094.0
1980	softwood	250.9	873.4	1 489.8	614.8	3 228.0
	hardwood	2.3	28.9	9.7	145.9	186.7
		253.2	902.3	1 499.5	660.7	3 415.7
1981	softwood	301.1	829.8	1 462.8	686.2	3 279.0
	hardwood	1.9	37.7	10.3	123.8	173.8
		303.0	867.5	1 473.1	810.0	3 453.7
1982	softwood	229.5	524.7	1 197.5	559.3	2 510.1
	hardwood	1.3	10.4	59.0	77.8	149.5
		230.8	535.1	1 257.5	637.0	2 660.6
1983	softwood	375.0	739.1	1 480.0	620.0	3 214.1
	hardwood	.3	2.9	8.3	106.7	118.2
		375.3	742.0	1 488.3	726.7	3 332.3

Conversion factor: 1000 bd ft = 2.35974 m^3

Source: Anon. Ontario forest industry statistical reports. Ont. Min. Nat. Resour., Toronto, Ont. Annual, various issues.

Table 2.4. Lumber production in southern Ontario by administrative region, 1977-1983

Year	Type	Region				
		Algonquin	Eastern	Central	South-western	Total
		('000 m^3)				
1977	softwood	258.1	22.7	7.6	8.7	297.1
	hardwood	176.1	61.9	40.7	99.8	378.5
		434.2	84.6	48.3	108.5	675.6
1978	softwood	321.4	28.9	5.8	5.3	361.5
	hardwood	200.2	70.1	39.3	136.3	445.9
		521.6	99.0	45.1	141.5	807.4
1979	softwood	333.0	26.9	7.9	7.2	375.1
	hardwood	269.1	83.5	54.5	107.2	514.3
		602.1	110.4	62.4	114.4	889.4
1980	softwood	333.3	26.5	13.3	5.9	379.0
	hardwood	223.7	94.4	57.3	111.7	487.0
		556.0	120.9	70.6	117.6	866.0
1981	softwood	276.9	43.5	12.1	4.4	336.9
	hardwood	225.6	61.1	46.3	103.4	436.3
		502.5	104.6	58.4	107.8	773.2
1982	softwood	217.3	33.5	24.3	5.2	280.2
	hardwood	190.2	51.3	47.7	84.9	374.2
		407.5	84.8	72.0	90.1	654.4
1983	softwood	319.7	44.5	24.4	3.2	391.8
	hardwood	215.6	42.8	45.7	88.3	392.4
		535.3	87.3	70.1	91.5	784.2

Conversion factor: 1000 bd ft = 2.35974 m^3

Source: Anon. Ontario forest industry statistical reports. Ont. Min. Nat. Resour., Toronto, Ont. Annual, various issues.

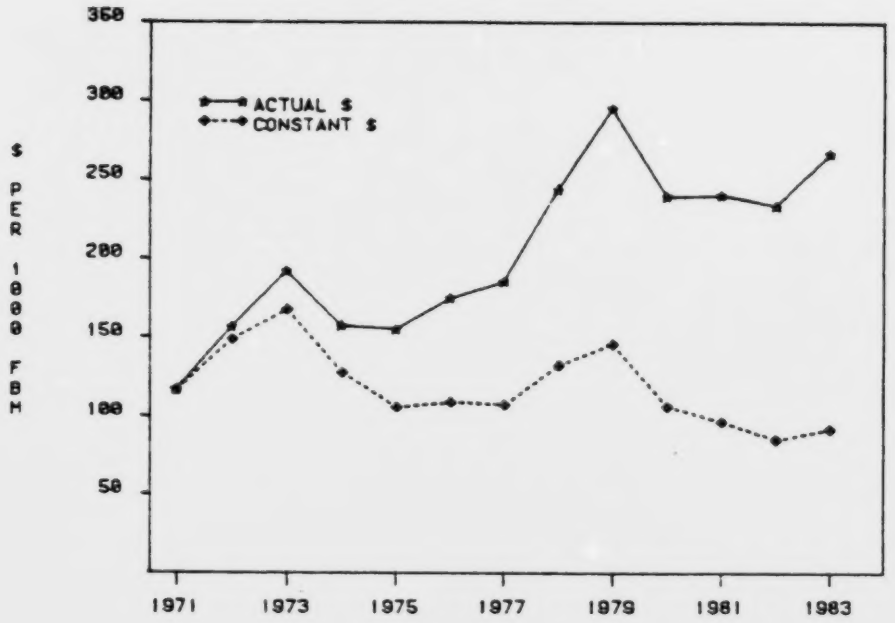

Figure 3. Ontario spruce and jack pine lumber prices[a], annual averages 1971-1983

[a] Constant prices based on implicit price index, gross national expenditure (1971=100)

Source: Knots and Slivers, Hearst, Ont., various issues.
Stat. Can., Cat. No. 13-201

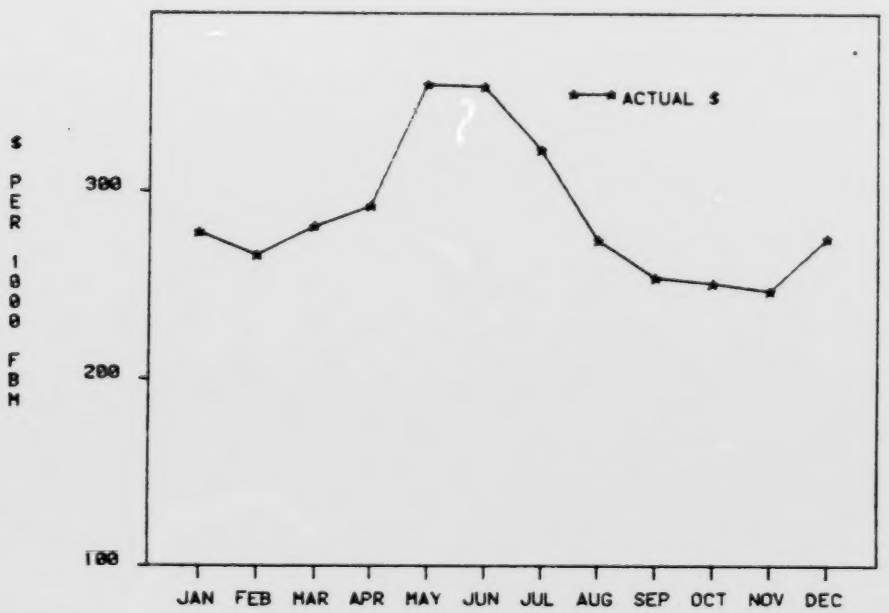

Figure 4. Ontario spruce and jack pine lumber prices, 1983

Source: Knots and Slivers, Hearst, Ont., various issues

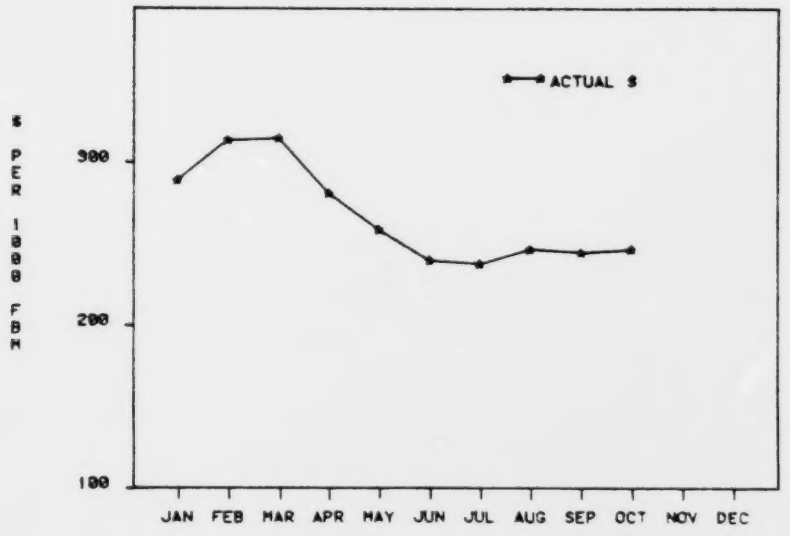

Figure 5. Ontario spruce and jack pine lumber prices, 1984

Source: Knots and Slivers, Hearst, Ont., various issues

Table 2.5. **Wood chip production by administrative region, 1977-1983**

Year	Region			
	North Central	Northern and Northeastern	All other regions	Total
	(Bone-dry tonnes)			
1977	546 578	909 202	177 958	1 633 738
1978	658 596	966 343	225 278	1 850 217
1979	677 426	1 112 381	300 489	2 090 297
1980	614 487	1 232 514	267 720	2 114 721
1981	543 697	1 186 825	230 148	1 960 670
1982	391 652	1 018 690	158 285	1 568 627
1983	NA	NA	NA	1 823 166

Conversion factor: 1 metric tonne = 1.10231 ton

Source: Anon. Ontario forest industry statistical reports. Ont. Min. Nat. Resour., Toronto, Ont. Annual, various issues.

Table 2.6. **Roundwood used by Ontario's sawmill industry, 1970-1982**

Year	Softwood	Hardwood	Total
	('000 m^3)		
1970	3 569	1 099	4 668
1971	3 855	919	4 804
1972	3 810	1 056	4 866
1973	4 615	1 100	5 715
1974	4 774	1 195	5 969
1975	3 624	750	4 374
1976	4 374	778	5 152
1977	5 957	799	6 756
1978	6 641	836	7 477
1979	7 751	927	8 678
1980	8 744	853	9 597
1981	7 929	861	8 790
1982	6 778	601	7 379

Source: Statistics Canada, Catalogue No. 35-204

Table 2.7. Exports of sawn lumber laden in Ontario, 1983

	Ontario		Other provinces		
	m^3	Value ($)	m^3	Value ($)	Ont. as % of Can. (value)
Hardwood					
Basswood	1 437	443 963	4 554	2 206 423	16.75
Birch	13 932	3 990 134	14 968	3 993 400	50.03
Maple	33 725	7 379 227	21 004	6 405 118	53.53
Oak	21 743	12 224 422	23 999	12 449 624	49.54
Poplar	12 573	1 388 777	26 054	2 392 356	36.73
Other hardwoods	14 490	5 542 324	36 089	10 400 019	34.76
Total	97 900	30 976 847	126 668	37 846 940	45.01
Softwood					
White spruce	11 959	1 348 681	1 428 370	134 293 231	0.99
Lodgepole pine	2 249	197 174	555 152	49 967 740	0.39
Yellow cedar	35	9 313	227 700	60 970 975	0.02
Cedar N.E.S.	4 866	955 780	1 977 691	429 173 053	0.22
Sitka spruce	--	--	180 850	39 684 395	0.00
Douglas-fir and western larch	14 463	1 491 525	1 555 456	193 429 201	0.77
Western hemlock and amabilis fir	7 660	832 702	5 218 924	662 199 391	0.13
Spruce-pine-fir N.E.S.	5 110 845	561 405 960	17 441 735	1 730 579 200	24.49
Ponderosa pine	2 749	354 178	10 609	1 226 215	22.41
Red pine	10 041	1 466 075	637	151 385	90.64
White pine	98 225	16 361 207	46 713	10 269 999	61.44
Pine N.E.S.	5 142	799 702	18 590	2 367 816	25.25
Other softwoods	1 074	136 462	6 032	574 554	19.19
Total	5 261 308	585 362 759	28 668 547	3 314 887 155	15.00
Total	5 359 216	616 339 606	28 795 215	3 335 734 095	15.53

-- Nil or zero
Source: Statistics Canada, requested compilation

SECTION III

ONTARIO'S PANELBOARD INDUSTRY

Figure 6. The Ontario panelboard industry.

Table 3.1. **Ontario panelboard industry**

	Company	Location
Veneer and plywood producers		
1	Birchland Veneer Ltd.	Box 430, Thessalon, P0R 1L0 Phone: 705-842-2430
2	Blind River Veneer Ltd.	P.O. Box 340, Blind River, P0R 1B0 Phone: 705-356-7007
3	Canada Veneers Ltd.	Box 460, Pembroke, K8A 6X7 Phone: 613-735-6801
4	D.A. Clarke Veneers Division of Weldwood Canada Ltd.	Box 100, South River, P0A 1X0 Phone: 705-386-2342
5	Eddy Match Co. Ltd. Division of Canadian Splint	100 Crandall Ave., Pembroke, K8A 6X8 Phone: 613-732-3605
6	Forest Ply Ltd. Division of Silvaplex	Box 389, Gravenhurst, P0C 1G0 Phone: 705-687-3425
7	Interforest Ltd.	Box 170, Durham, N0G 1R0 Phone: 519-369-3310
8	Levesque Plywood Ltd.	Box 10, Hearst, P0L 1N0 Phone: 705-362-4242
9	MacMillan Bloedel Ltd.	Box 910, Nipigon, P0T 2J0 Phone: 807-887-2018
10	G. W. Martin Veneer Ltd.	Box 190, Tweed, K0K 3J0 Phone: 613-478-2140
11	G. W. Martin Veneer Ltd.	Rutherglen, P0H 2E0 Phone: 705-776-2948
12	Normick Perron Inc.	Box 1059, Cochrane, P0L 1C0 Phone: 705-272-4321
13	Oakville Wood Specialties Ltd.	Box 131, Oakville, L6J 4Z5 Phone: 416-844-3296
14	Pannill Veneer Co. Ltd.	340 Louisa St., Kitchener, N2H 5N2 Phone: 519-742-5887
15	Superior Hardwood Veneer Ltd.	R.R. # 4, Gran St. Sault Ste. Marie, P6A 5K9 Phone: 705-759-0904

(cont'd)

Table 3.1. **Ontario panelboard industry** (concl.)

	Company	Location
Veneer and plywood producers (cont'd)		
16	Weldwood of Canada Ltd.	Box 270, Longlac, P0T 2A0 Phone: 807-876-2257
17	Weldwood of Canada Ltd.	Hwy 556, Searchmont, Mailing address: Box 1029, Sault Ste. Marie, P6A 5N5 Phone: 705-781-2511
18	G.W. Martin Veneer Ltd.[a]	45 W Third Line, Sault Ste. Marie, P6A 5P7 Phone: 705-759-1500
19	Wilberforce Veneer & Lumber Co.	Box 130, Wilberforce, K0L 3C0 Phone: 705-448-2520
Particleboard producers		
1	Domtar Inc.	Box 7500, Huntsville, P0A 1K0 Phone: 705-789-9683
2	Levesque Plywood Ltd.	Box 10, Hearst, P0L 1N0 705-362-4242
3	Pluswood Manufacturing Ltd.	Box 1600, Atikokan, P0T 1C0 Phone: 807-597-6921
4	Rexwood Products Ltd.	Box 1840, New Liskeard, P0J 1P0 Phone: 705-647-6775
Waferboard producers		
1	Grant Waferboard Ltd.	Box 960, Englehart, P0J 1H0 Phone: 705-544-2204
2	Great Lakes Forest Products Ltd.	Box 430, Thunder Bay, P7C 4W3 Phone: 807-475-2110
3	Macmillan Bloedel Ltd.	Box 608, Thunder Bay, P7C 4W6 Phone: 807-939-2541
4	Waferboard Corp.	Box 1100, Timmins, P4N 7H9 Phone: 705-268-1462
4	Weldwood of Canada Ltd.	Longlac, P0T 2A0 Phone: 807-876-2796

[a] Weyerhaeuser Canada Ltd. sold its Sault Ste. Marie operations to G.W. Martin Veneer Ltd. in April, 1984 (Sault Star, 11 April 1984).

Source: Anon. 1984. Ontario forest industry statistical reports for 1983. Ont. Min. Nat. Resour., Toronto, Ont. 63 p.

Table 3.2. **Veneer and plywood production, Ontario, 1977-1983**

Year	Veneer	Plywood	Total
		(m^3)	
1977	77 222	189 146	266 368
1978	98 344	212 517	310 861
1979	100 117	189 723	289 840
1980	112 775	194 193	306 968
1981	102 307	201 554	303 861
1982	93 391	154 884	248 275
1983	110 645	185 925	296 570

Source: Anon. Ontario forest industry statistical reports. Ont. Min. Nat. Resour., Toronto, Ont. Annual, various issues.

Table 3.3. Veneer and plywood exports from Ontario, 1983

	Total exports		To U.S.A.		To all other countries	
	(m^3)	($ 000)	(m^3)	($ 000)	(m^3)	($ 000)
Veneer						
Oak	29 082	26 718	15 851	15 655	13 231	11 063
Birch	33 265	20 590	31 726	19 686	1 539	904
Elm	515	446	230	189	285	257
Maple	4 373	3 626	4 044	3 373	329	253
Walnut	358	462	133	249	225	213
Hardwood N.E.S.	4 044	3 398	3 445	2 871	599	527
Spruce	97	12	97	12	--	--
Softwood N.E.S.	18 674	1 683	18 337	1 581	337	102
Total	90 408	56 935	73 863	43 616	16 545	13 319
Plywood						
Birch	10 507	5 458	10 500	5 454	7	4
Hardwood N.E.S.	14 579	6 373	14 565	6 367	14	6
Softwood N.E.S.	1 204	372	1 022	301	182	71
Total	26 290	12 203	26 087	12 122	203	81

-- Nil or zero
Source: Statistics Canada, requested compilation

Table 3.4. **Particleboard and waferboard production, Ontario, 1977-1983**

Year	Particleboard	Waferboard	Total
	(m^3)		
1977	228 235	250 273	478 508
1978	279 718	324 745	604 463
1979	284 814	377 885	662 699
1980	318 271	316 412	634 683
1981	320 811	339 591	660 402
1982	235 348	258 644	493 992
1983	256 207	460 195	716 402

Source: Anon. Ontario forest industry statistical reports. Ont. Min. Nat. Resour., Toronto, Ont. Annual, various issues.

SECTION IV

PRINCIPAL STATISTICS

Table 4.1. Principal statistics, logging, Ontario, 1963-1982

Year	Manufacturing activity										Total activity		
	Establishments (No.)	Production and related workers (No.)	Person hours paid ('000)	Wages	Cost of fuel and electricity	Cost of materials and supplies	Inventory Opening	Inventory Closing	Value of shipments of goods of own manufacture	Value added	Employees (No.)	Salaries and wages	Value added
				($'000)								($'000)	
1963	472	9 562	23 186	47 629	4 739	61 330	44 744	42 068	147 060	77 777	10 816	55 463	82 532
1964	409	9 599	23 250	50 338	5 031	64 567	40 700	38 021	150 031	77 567	10 776	57 910	82 105
1965	393	9 595	23 244	53 650	5 319	73 709	37 751	40 775	161 117	85 251	10 824	62 075	87 487
1966	425	9 662	23 384	59 723	6 129	86 161	44 262	49 092	190 784	103 180	11 110	69 854	104 643
1967	410	8 969	21 718	61 359	6 009	102 623	52 454	55 242	208 085	102 393	10 376	72 958	103 416
1968	391	7 853	19 005	57 918	5 770	87 877	55 597	49 435	198 660	98 563	9 225	69 245	100 424
1969	464	8 487	20 500	67 403	6 722	97 044	49 228	53 196	211 005	111 444	9 950	79 680	112 927
1970	474	8 246	19 637	67 433	5 224	99 272	53 774	50 563	218 052	110 454	9 567	79 745	111 533
1971	408	6 900	16 080	62 730	4 936	94 459	50 021	48 731	206 608	105 966	8 125	74 761	106 650
1972	393	6 598	15 861	69 594	6 262	104 970	48 969	42 971	234 063	116 776	7 783	81 892	117 993
1973	400	7 677	17 292	84 257	8 131	113 766	43 765	54 523	254 794	144 185	8 983	98 699	145 762
1974	380	8 225	18 543	103 433	11 329	150 366	54 126	74 848	326 247	186 730	9 673	121 454	180 240
1975	328	6 616	14 065	91 265	9 724	150 090	76 622	107 316	302 702	174 117	8 028	111 940	176 263
1976	269	6 307	12 882	103 363	11 014	153 503	99 727	105 041	353 893	195 277	7 694	126 880	196 735
1977	246	7 035	14 324	127 140	12 539	188 298	105 477	100 040	435 323	229 325	8 447	153 309	231 149
1978	255	8 099	16 562	150 301	15 045	244 909	104 891	109 817	504 960	251 259	9 569	179 797	253 658
1979	321	8 096	16 572	163 647	17 084	306 121	120 005	131 212	588 598	276 600	9 684	197 276	278 921
1980	391	8 015	16 692	179 478	24 072	365 267	129 287	167 444	668 003	316 022	9 578	215 652	319 083
1981	418	7 374	14 979	185 016	30 562	381 431	159 787	173 041	717 927	319 189	9 003	230 052	327 515
1982	418	5 683	11 370	149 796	33 320	346 243	169 067	152 847	678 892	283 108	7 079	193 796	287 982

Source: Statistics Canada. Catalogue No. 25-201

Table 4.2. Summary, principal statistics, wood industries[a], Ontario, 1970-1982

Year	Manufacturing activity									Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages	Value added
							($'000)					($'000)	
1970	755	13 783	29 605	73 339	5 671	162 137	39 844	40 215	316 922	149 616	16 664	96 282	152 246
1971	733	13 956	29 883	79 810	6 772	178 897	40 807	35 785	360 390	169 865	16 835	105 050	172 794
1972	733	15 458	32 908	94 358	7 881	222 283	35 213	34 889	449 702	218 661	18 598	124 486	223 446
1973	727	16 874	35 887	113 637	10 667	271 284	34 299	39 596	580 816	304 481	20 662	154 051	309 767
1974	740	16 459	34 948	128 400	13 094	314 465	39 924	59 607	631 072	323 717	20 507	176 537	333 098
1975	726	15 860	33 285	130 761	12 975	340 021	55 248	69 865	638 441	300 512	19 284	185 822	306 896
1976	683	16 533	34 390	161 789	17 561	386 944	68 823	75 447	734 319	336 439	19 868	212 309	343 414
1977	645	16 737	35 116	185 845	22 7 5	447 267	75 118	79 731	870 023	404 653	20 110	242 641	410 509
1978	707	18 260	38 368	216 348	27 712	541 657	78 432	80 940	1 077 962	511 099	21 942	279 260	515 321
1979	761	19 283	40 815	252 044	31 134	690 807	82 366	105 905	1 319 647	620 394	22 902	320 144	629 169
1980	778	18 035	38 087	260 078	33 475	712 130	104 079	127 944	1 275 892	554 153	21 348	328 793	562 631
1981	774	17 699	37 190	287 201	43 705	791 939	129 113	142 685	1 436 082	614 011	20 970	362 990	619 138
1982	794	15 817	31 751	256 192	46 144	670 066	144 056	129 840	1 256 366	517 941	19 015	334 260	525 522

[a] Includes sawmills, planing mills and shingle mills, veneer and plywood mills, sash, door and other millwork plants, wooden box factories, coffin and casket industries, and miscellaneous wood industries

Table 4.1. Principal statistics, sawmills and planing mills, Ontario, 1961-1982

Year	Manufacturing activity										Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages	($'000)		Opening	Closing			(No.)	Salaries and wages ($'000)	Value added
1961	456	4 173	8 751	11 866	1 502	32 041	14 095	14 603	57 568	24 890	5 479	16 747	25 833
1962	459	4 271	9 845	13 685	1 736	32 215	13 609	11 260	64 476	28 177	5 171	17 389	29 806
1963	431	4 192	9 455	13 720	1 554	30 463	17 714	16 117	65 132	31 518	5 013	17 255	32 717
1964	425	4 458	10 154	14 966	1 812	35 562	17 851	18 764	74 358	37 897	5 270	18 758	38 514
1965	371	4 799	10 851	16 925	2 027	37 086	18 470	18 523	79 858	40 799	5 596	20 838	41 861
1966	351	5 357	11 945	19 963	2 385	42 006	19 021	19 079	90 466	46 134	6 227	24 620	46 878
1967	328	5 300	11 641	21 557	2 254	44 079	20 146	22 960	87 623	44 103	5 984	25 719	45 445
1968	303	5 256	11 588	22 882	2 791	48 344	21 599	23 474	98 258	48 998	5 897	27 280	49 585
1969	296	5 255	11 491	24 818	2 834	50 626	23 193	24 844	105 640	53 830	5 910	29 599	54 254
1970	292	4 677	10 355	24 750	2 474	50 358	22 719	23 770	99 022	47 242	5 361	30 123	47 899
1971	273	4 428	9 640	26 108	2 888	54 754	24 087	20 693	115 752	54 717	5 204	32 552	55 190
1972	267	4 778	10 213	29 980	3 455	61 634	20 414	18 150	144 976	77 624	5 595	37 604	77 889
1973	255	5 353	11 416	37 803	5 194	76 198	17 948	20 027	196 598	117 285	6 620	51 641	117 612
1974	261	5 158	11 037	43 187	6 694	90 960	20 819	32 963	198 957	113 447	6 557	60 078	114 210
1975	240	4 508	9 530	41 903	5 796	101 059	29 785	42 276	180 044	85 680	5 444	54 694	86 123
1976	222	4 642	9 846	49 421	7 324	117 179	40 341	41 352	222 918	99 427	5 660	64 385	100 125
1977	215	5 156	11 071	61 285	9 416	146 030	40 582	42 244	290 277	136 493	6 221	78 341	136 414
1978	225	5 752	12 259	74 847	11 727	187 757	41 028	41 726	396 084	197 297	6 888	95 015	197 672
1979	243	5 956	12 877	85 950	13 550	252 670	42 444	55 031	495 612	241 979	7 105	107 704	242 820
1980	235	6 009	12 861	97 454	14 875	290 029	54 361	77 738	480 955	199 429	6 967	118 193	200 208
1981	235	5 647	11 956	100 156	20 428	305 451	79 400	81 433	521 359	197 512	6 630	123 566	197 720
1982	221	4 976	9 876	88 481	21 713	265 789	84 552	78 176	451 470	157 593	6 005	113 256	161 104

Source: Statistics Canada. Catalogue No. 35-204

Table 4.4. Principal statistics, veneer and plywood mills, Ontario, 1961-1982

Year	Manufacturing activity									Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages	Value added
							($'000)					($'000)	
1961	26	1 950	4 217	5 853	316	12 105	2 380	2 348	24 484	12 032	2 193	7 108	12 264
1962	28	2 341	5 140	7 178	422	15 826	2 614	3 223	29 588	13 949	2 625	8 548	14 120
1963	28	2 507	5 361	7 671	478	19 247	3 159	4 488	33 654	15 256	2 823	9 328	15 239
1964	27	2 569	5 472	8 416	479	18 334	4 551	5 274	34 160	16 071	2 875	10 136	16 166
1965	26	2 316	5 140	8 182	498	18 413	4 674	5 357	34 048	15 821	2 678	10 256	16 046
1966	29	2 623	5 659	9 622	624	20 561	5 190	6 137	38 826	18 387	3 003	11 750	18 407
1967	34	2 551	5 229	9 688	673	20 461	6 094	7 028	39 369	19 168	2 882	11 725	19 253
1968	28	2 431	4 998	9 950	718	24 056	6 510	5 372	43 385	17 473	2 741	12 029	17 583
1969	29	2 280	4 597	10 243	891	24 873	5 128	6 161	42 810	18 079	2 568	12 288	18 138
1970	29	1 978	4 031	9 505	857	18 446	5 890	5 200	35 075	15 081	2 283	11 871	15 482
1971	27	1 997	4 063	10 220	917	17 043	5 217	3 179	37 382	17 385	2 262	12 453	17 501
1972	25	2 166	4 453	12 260	1 110	18 655	3 253	2 586	43 715	23 284	2 432	14 848	23 354
1973	24	2 178	4 515	13 622	1 254	21 000	2 586	2 414	56 155	31 728	2 434	16 229	31 588
1974	22	1 921	3 945	13 841	1 220	22 779	2 149	3 319	52 052	29 224	2 189	16 820	29 331
1975	21	1 838	3 696	14 780	1 326	23 949	2 922	3 897	46 874	22 575	2 078	17 986	22 656
1976	20	1 796	3 441	16 174	1 454	25 088	3 976	3 676	50 814	23 973	2 039	19 583	24 542
1977	21	1 715	3 261	17 310	1 740	30 511	3 942	4 253	59 237	27 298	1 965	21 245	26 820
1978	22	2 020	4 035	22 912	2 140	39 126	4 285	3 774	88 946	47 169	2 317	28 108	46 554
1979	23	2 160	4 427	26 434	2 642	50 885	4 342	5 136	110 975	58 243	2 470	32 566	60 903
1980	24	2 146	4 395	28 915	3 025	59 572	5 138	7 499	112 240	52 005	2 443	35 532	54 380
1981	18	1 950	4 081	30 151	3 870	66 825	7 477	8 652	120 226	50 706	2 231	36 585	50 017
1982	21	1 753	3 326	25 581	3 930	52 495	8 425	7 206	98 834	41 190	2 016	32 336	41 104

Source: Statistics Canada. Catalogue No. 35-206

Table 4.5. Principal statistics, sash, door and other millwork plants, Ontario, 1970-1982

Year	Manufacturing activity									Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages	Value added
							($'000)					($'000)	
1970	261	3 393	7 397	19 166	1 176	54 004	6 996	7 002	100 973	45 799	4 490	27 778	47 265
1971	257	3 838	8 372	22 621	1 312	66 229	7 085	7 200	121 476	48 049	4 911	32 564	55 971
1972	273	4 716	10 126	29 553	1 482	94 371	6 934	9 539	161 504	68 257	5 960	42 134	72 418
1973	278	5 138	11 094	35 644	1 932	116 063	9 260	11 673	208 578	92 996	6 582	51 375	97 804
1974	279	5 165	11 178	41 324	2 283	129 719	11 594	16 547	237 505	110 455	6 714	60 672	118 376
1975	283	5 114	10 861	45 672	2 424	136 249	15 384	15 120	258 851	119 911	6 540	66 021	124 894
1976	282	5 935	12 514	57 837	3 151	162 191	15 881	18 671	297 071	134 517	7 233	78 844	139 934
1977	266	5 513	11 706	57 759	3 847	160 572	18 950	21 815	292 993	131 440	6 819	80 045	137 685
1978	303	5 786	12 189	63 740	4 314	178 215	21 610	22 104	328 703	146 669	7 169	87 361	150 713
1979	316	6 153	12 987	73 444	4 489	210 619	21 687	26 018	385 936	174 308	7 460	98 286	178 123
1980	322	5 456	11 500	70 449	4 885	188 733	25 079	23 782	362 780	167 877	6 668	94 941	178 889
1981	322	5 870	12 321	84 993	6 057	220 011	23 172	30 553	428 796	201 102	7 076	111 843	212 595
1982	343	5 335	11 101	81 659	7 013	197 830	30 441	27 618	395 613	187 948	6 481	109 655	191 269

Source: Statistics Canada. Catalogue No. 35-205

Table 4.6. Principal statistics, wooden box factories, Ontario, 1961-1982

Year	Manufacturing activity									Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages	Value added
							($'000)					($'000)	
1961	66	1 247	2 603	3 627	178	5 862	576	520	13 220	7 143	1 462	4 694	7 162
1962	64	1 283	2 713	3 864	192	6 343	487	554	14 355	7 887	1 468	4 806	7 881
1963	62	1 245	2 593	3 885	187	6 700	541	457	15 056	8 085	1 436	4 915	8 084
1964	64	1 482	3 170	4 890	248	9 080	438	550	18 835	9 620	1 698	6 176	9 669
1965	67	1 667	3 597	5 891	328	10 251	563	665	23 777	13 301	1 939	7 603	13 354
1966	68	1 951	4 253	7 920	365	12 411	618	833	28 104	15 545	2 284	10 091	15 680
1967	77	1 845	3 992	7 798	384	14 018	741	727	32 184	17 768	2 198	10 216	17 758
1968	72	1 625	3 352	7 381	381	14 572	813	889	31 256	16 376	1 960	9 974	16 400
1969	76	1 639	3 460	8 259	437	17 504	1 023	1 091	36 506	18 634	1 990	11 010	18 858
1970	75	1 512	3 161	8 305	444	16 032	983	1 176	35 074	18 791	1 838	11 164	18 749
1971	80	1 538	3 215	8 597	545	16 464	1 178	1 248	35 393	18 454	1 856	11 437	18 542
1972	75	1 572	3 299	8 785	539	17 853	1 165	1 006	37 512	18 961	1 896	11 627	18 952
1973	81	1 676	3 525	10 331	641	22 197	896	1 421	45 829	23 515	2 002	13 645	23 433
1974	89	1 841	3 915	13 182	904	35 343	1 503	1 851	64 955	29 056	2 221	17 305	28 920
1975	90	1 944	4 124	16 010	954	36 634	1 837	1 863	70 530	32 968	2 330	21 899	32 855
1976	86	1 855	3 929	16 281	1 124	36 635	1 916	2 070	74 264	36 659	2 240	21 736	36 448
1977	77	1 916	4 044	21 291	1 393	46 866	2 002	2 280	99 957	51 976	2 284	28 659	51 840
1978	77	1 878	3 947	20 006	1 478	53 651	2 287	3 286	98 567	44 437	2 312	26 311	44 436
1979	88	2 146	4 502	27 865	1 572	70 620	3 321	3 263	126 354	54 104	2 570	34 497	54 230
1980	89	1 846	3 837	22 782	1 531	64 733	3 396	3 391	120 392	54 122	2 250	30 336	53 939
1981	89	1 688	3 522	26 336	1 740	72 780	3 305	3 160	135 109	60 452	2 079	35 374	60 372
1982	102	1 637	3 426	24 435	2 526	60 336	3 449	3 602	118 734	56 024	2 013	33 079	55 927

Source: Statistics Canada. Catalogue No. 35-209 and 35-208

Table 4.7. Principal statistics, coffin and casket industry, Ontario, 1970-1982

Year	Manufacturing activity									Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages	($'000)		Opening	Closing	($'000)		(No.)	Salaries and wages ($'000)	Value added ($'000)
1970	9	280	598	1 353	78	1 938	575	505	4 846	2 760	393	2 148	2 809
1971	9	279	602	1 479	78	1 789	705	749	4 768	2 944	371	2 280	3 034
1972	9	253	529	1 550	74	2 043	749	606	4 953	2 700	343	2 475	2 785
1973	9	238	477	1 351	112	2 219	660	739	5 044	2 791	311	2 182	2 795
1974	9	235	472	1 419	115	2 286	739	601	5 359	2 819	321	2 242	2 857
1975	9	211	451	1 595	113	2 275	504	725	5 382	3 216	264	2 219	3 311
1976	8	212	445	1 713	147	1 859	692	365	5 339	3 005	252	2 317	3 004
1977	7	184	388	1 606	92	1 999	365	321	5 145	3 010	220	2 108	3 007
1978	7	170	374	1 764	128	2 631	321	571	6 027	3 518	214	2 689	3 487
1979	7	156	330	1 718	113	2 687	615	774	6 071	3 431	190	2 296	3 390
1980	8	153	320	1 781	99	3 012	596	779	6 372	3 444	185	2 370	3 426
1981	8	154	321	2 159	126	3 471	779	1 137	6 986	3 747	189	2 843	3 726
1982	8	135	259	1 821	125	2 787	644	230	6 796	3 469	155	2 402	3 452

Source: Statistics Canada. Catalogue No. 35-210 And 35-208

Table 4.8. Principal statistics, miscellaneous wood industries, Ontario, 1970-1982

Year	Manufacturing activity									Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages	Value added
							($'000)					($'000)	
1970	78	1 421	3 011	7 656	503	14 932	2 681	2 562	30 294	14 740	1 645	9 445	14 801
1971	77	1 495	3 159	8 746	892	17 925	2 535	2 716	35 892	17 256	1 742	10 726	17 396
1972	75	1 591	3 422	10 044	1 066	21 998	2 698	3 002	44 990	22 231	1 876	12 427	22 340
1973	70	1 820	3 805	12 057	1 325	25 625	2 949	3 322	56 782	30 206	2 162	15 366	30 416
1974	69	1 750	3 568	12 974	1 648	27 616	3 120	4 326	61 281	33 224	2 045	16 252	33 858
1975	73	1 900	3 877	16 347	2 153	34 824	4 816	5 984	67 708	31 899	2 232	20 112	32 651
1976	65	2 097	4 224	20 396	4 360	43 991	6 017	9 313	83 912	38 858	2 448	25 473	39 360
1977	59	2 253	4 646	26 596	6 227	61 288	9 277	8 818	122 412	54 437	2 601	32 243	54 742
1978	74	2 662	5 564	33 078	7 925	80 276	8 901	9 479	159 633	72 010	3 046	39 921	72 457
1979	84	2 712	5 692	36 635	8 766	103 328	9 957	15 683	194 698	88 329	3 107	44 796	89 703
1980	100	2 425	5 175	38 698	9 060	106 057	15 510	14 755	193 153	77 282	2 835	47 424	79 789
1981	102	2 390	4 990	43 406	11 484	123 401	14 980	17 742	223 615	91 492	2 765	52 789	94 708
1982	99	1 981	3 764	34 295	10 837	98 828	16 545	13 007	184 918	71 715	2 345	43 532	72 666

Source: Statistics Canada. Catalogue No. 35-208

Table 4.9. Summary, principal statistics, paper and allied industries[a], Ontario, 1970-1982

Year	Manufacturing activity									Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages	($'000)		Opening	Closing			(No.)	Salaries and wages ($'000)	Value added
1970	283	33 547	72 136	240 472	58 671	672 275	74 217	84 048	1 313 911	592 793	44 894	346 429	614 506
1971	289	32 810	69 810	249 840	64 119	697 061	83 717	85 066	1 367 409	607 578	43 867	359 155	627 387
1972	300	33 768	72 013	279 206	69 169	753 533	85 576	88 694	1 484 008	664 425	44 580	395 818	681 961
1973	289	34 795	73 502	313 220	75 145	861 170	89 232	81 688	1 748 335	805 719	45 391	436 484	822 197
1974	294	36 362	76 156	366 745	93 673	1 175 923	82 491	121 487	2 429 739	1 199 139	47 404	512 825	1 221 616
1975	302	33 965	62 456	336 145	93 261	1 064 969	121 277	111 584	2 126 441	958 517	45 178	497 083	999 360
1976	301	34 505	73 464	434 420	145 410	1 291 516	112 726	140 903	2 459 739	1 050 989	45 645	612 501	1 082 376
1977	287	33 233	68 858	492 123	197 186	1 440 021	135 189	138 796	2 826 617	1 193 817	43 488	681 113	1 207 415
1978	319	34 819	71 961	541 123	228 829	1 616 288	136 907	143 781	3 145 697	1 307 455	45 209	747 394	1 317 821
1979	334	35 811	74 456	600 095	252 576	2 007 803	145 722	177 298	3 872 205	1 643 403	46 172	827 101	1 661 591
1980	349	37 084	75 711	664 390	279 530	2 368 722	177 790	200 523	4 598 977	1 973 456	47 861	926 779	1 992 117
1981	342	36 277	75 200	749 579	324 700	2 702 821	201 429	220 790	5 129 828	2 121 509	47 381	1 044 810	2 136 084
1982	347	33 013	67 728	743 840	351 385	2 596 915	217 100	239 596	4 841 076	1 915 271	43 917	1 078 919	1 939 371

[a] Includes pulp and paper mills, asphalt roofing manufacturers, paper box and bag manufacturers, miscellaneous paper converters

Table 4.10. Principal statistics, pulp and paper mills, Ontario, 1961-1982

Year	Manufacturing activity										Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages	Value added
							($'000)					($'000)	
1961	39	16 416	35 501	82 262	33 528	214 897	13 063	12 947	402 313	233 772	19 662	101 073	236 700
1962	38	16 358	35 421	84 943	34 954	222 766	13 153	15 721	508 412	253 260	19 714	107 532	255 830
1963	38	16 609	36 101	88 034	35 463	227 941	15 819	14 858	523 478	259 112	20 109	111 644	262 172
1964	39	17 162	37 501	93 559	38 516	242 716	14 863	15 007	560 224	279 137	20 637	117 349	282 383
1965	37	17 365	37 778	97 950	39 490	249 045	13 659	13 391	574 647	285 844	21 038	124 087	289 938
1966	36	17 945	39 676	112 029	41 389	275 576	13 291	14 495	622 102	306 340	21 811	140 783	310 085
1967	35	17 830	38 856	116 244	43 303	290 568	14 521	16 837	627 728	296 173	21 264	144 334	299 734
1968	36	17 537	37 917	122 999	44 270	306 563	20 072	20 862	649 532	299 490	21 117	154 497	303 195
1969	36	17 936	39 532	135 828	48 812	329 669	20 845	23 555	715 966	340 195	21 503	168 770	343 333
1970	36	17 832	38 512	143 157	53 295	341 995	23 555	29 371	732 424	342 949	22 201	180 189	346 406
1971	37	17 132	35 946	144 593	58 150	339 829	29 315	29 387	728 289	330 373	21 305	190 348	331 835
1972	37	16 970	36 224	157 759	61 944	358 824	29 387	27 763	778 067	355 675	21 044	206 929	356 799
1973	37	17 326	36 562	174 969	67 593	406 916	27 708	20 574	932 061	450 338	21 271	227 160	451 839
1974	37	17 753	37 848	203 864	84 395	556 363	20 062	30 814	1 347 587	717 581	21 909	265 286	721 076
1975	37	16 417	26 570	164 662	82 775	440 049	30 866	26 265	1 031 209	503 784	20 912	233 645	517 809
1976	37	17 302	37 757	237 708	131 311	579 398	26 131	40 663	1 236 886	540 709	21 693	315 867	540 492
1977	37	17 329	35 774	295 510	181 396	740 843	40 719	41 700	1 603 037	681 778	21 604	383 016	688 718
1978	37	17 797	36 790	320 308	210 538	828 876	40 955	42 412	1 780 255	742 298	22 177	419 209	744 923
1979	37	17 881	37 413	340 539	231 900	1 029 954	42 475	48 349	2 233 098	977 118	22 539	461 813	981 529
1980	36	18 328	37 410	302 230	254 886	1 159 781	48 322	55 843	2 614 443	1 207 296	23 105	510 279	1 215 084
1981	36	17 879	37 407	426 891	294 149	1 290 917	54 231	65 737	2 847 780	1 274 219	22 776	570 463	1 275 857
1982	36	16 811	34 649	439 886	317 107	1 222 136	64 898	82 775	2 593 734	1 072 368	21 826	610 703	1 074 068

Source: Statistics Canada. Catalogue No. 36-204

Table 4.11. Principal statistics, asphalt roofing manufacturers, Ontario, 1970-1982

	Manufacturing activity									Total activity		
		Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees	
Year	Establishments (No.)	(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages
				($'000)								($'000)
1970	4	162	392	1 212	222	5 573	416	511	10 979	5 278	195	1 451
1971	4	194	444	1 489	292	7 613	511	557	15 119	7 259	229	1 767
1972	4	227	522	2 140	342	8 348	824	844	17 616	8 947	268	2 460
1973	4	261	572	2 313	459	9 847	844	497	19 330	8 677	302	2 661
1974	4	270	582	2 515	544	10 817	522	1 189	22 275	11 580	318	2 954
1975	4	289	626	3 119	799	15 855	1 163	920	28 860	11 963	334	3 751
1976	4	296	645	3 590	1 053	22 125	841	2 207	37 311	15 499	371	4 593
1977	4	304	661	4 075	1 392	26 425	2 207	3 043	44 105	18 003	397	5 289
1978	5	306	624	4 036	1 073	31 166	3 694	1 820	53 478	19 372	396	5 526
1979	5	345	692	4 847	1 527	43 006	1 859	5 266	66 559	25 433	439	6 695
1980	5	321	687	5 660	1 622	55 186	5 666	6 404	80 341	32 271	427	7 659
1981	5	353	685	6 093	1 838	64 144	6 768	3 194	102 732	33 176	458	8 486
1982	5	333	667	6 250	2 222	61 216	3 223	4 401	96 024	33 743	452	9 066

Source: Statistics Canada. Catalogue No. 36-205 and 36-215

Table 4.12. Principal statistics, paper, box, and bag manufacturers, Ontario, 1970-1982

Year	Manufacturing activity									Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees	
		(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages
					($'000)							($'000)
1970	131	8 471	18 222	53 303	2 804	180 242	21 121	22 536	307 386	125 751	11 628	80 945
1971	129	8 549	18 213	57 902	2 906	195 894	22 453	24 189	334 373	137 229	11 612	86 836
1972	133	9 077	19 541	66 758	3 590	214 739	24 325	26 423	364 261	148 019	12 132	97 515
1973	131	9 536	20 334	75 721	3 690	249 834	26 606	25 502	428 187	174 805	12 653	109 586
1974	138	10 057	20 702	89 082	4 484	341 870	25 678	39 184	570 877	238 029	13 236	129 431
1975	145	9 346	19 114	91 868	5 186	344 774	38 128	34 018	575 004	220 933	12 370	133 996
1976	146	9 226	19 299	108 747	7 041	388 695	34 447	40 271	652 092	262 179	12 244	154 343
1977	140	8 827	18 490	113 361	7 721	386 710	38 231	37 153	649 811	254 303	11 671	161 478
1978	153	9 303	19 368	124 123	8 969	431 365	36 297	40 908	724 944	289 250	12 163	174 463
1979	164	10 041	20 938	142 291	10 671	546 331	41 984	51 760	877 731	330 505	12 844	196 343
1980	172	10 462	21 385	157 638	12 483	617 940	51 613	61 378	996 106	375 445	13 350	219 893
1981	168	9 980	20 584	176 650	15 583	730 796	58 245	62 691	1 153 706	411 852	12 999	249 170
1982	171	8 730	17 610	162 677	16 194	607 150	57 943	61 636	1 121 204	421 545	11 441	236 530

Source: Statistics Canada. Catalogue No. 36-207, 36-213, 36-214, 36-216

Table 4.13. Principal statistics, miscellaneous paper converters, Ontario, 1961-1982

Year	Manufacturing activity										Total activity		
	Establishments (No.)	Production and related workers			Cost of fuel and electricity	Cost of materials and supplies	Inventory		Value of shipments of goods of own manufacture	Value added	Employees		
		(No.)	Person hours paid ('000)	Wages			Opening	Closing			(No.)	Salaries and wages	Value added
				($'000)								($'000)	
1961	100	5 032	10 558	19 295	1 326	70 382	10 428	11 429	125 341	54 632	6 999	31 081	56 889
1962	103	5 248	11 200	20 482	1 392	72 953	11 232	11 940	135 249	61 613	7 305	32 910	63 489
1963	103	5 062	10 956	21 056	1 520	75 795	12 837	13 936	137 421	61 205	7 170	34 012	63 386
1964	106	5 592	12 069	24 185	1 675	86 020	12 899	13 612	157 542	70 550	8 090	38 851	74 466
1965	107	5 909	12 737	26 322	1 773	96 474	13 290	15 543	172 595	76 600	8 338	41 250	80 534
1966	108	6 482	13 774	29 855	2 044	113 810	17 103	21 232	203 658	91 933	9 342	48 984	103 862
1967	111	6 791	14 557	33 903	2 181	120 747	21 219	23 706	218 918	98 478	9 882	55 698	110 826
1968	112	6 765	14 300	35 802	2 061	124 676	26 307	25 906	229 047	101 910	9 964	58 918	114 391
1969	112	7 004	15 059	39 110	2 210	138 280	25 995	28 373	252 016	113 904	10 399	66 519	130 704
1970	112	7 082	15 012	42 801	2 348	144 464	29 125	31 630	263 123	118 815	10 870	75 844	136 998
1971	119	7 105	15 207	45 857	2 683	153 725	31 438	30 933	289 628	132 716	10 721	80 205	150 563
1972	126	7 494	15 725	52 548	3 285	171 621	31 040	33 664	324 065	151 783	11 136	88 915	167 123
1973	117	7 672	16 033	60 216	3 404	194 574	33 994	35 115	368 756	171 898	11 165	97 078	184 878
1974	115	8 282	17 024	71 285	4 250	266 871	36 229	50 300	488 999	231 949	11 941	115 154	246 568
1975	116	7 913	16 145	76 496	4 500	264 291	51 120	50 381	491 367	221 838	11 562	125 690	240 914
1976	114	7 681	15 763	84 374	6 006	301 297	51 307	57 762	533 449	232 601	11 367	137 697	252 700
1977	106	6 773	13 933	79 176	6 677	286 043	54 032	56 100	529 585	238 934	9 816	132 330	243 811
1978	124	7 413	15 179	92 665	8 249	324 880	55 961	58 641	587 020	256 570	10 473	148 113	262 678
1979	128	7 544	15 412	104 418	8 477	388 511	59 404	71 923	694 816	310 346	10 350	162 250	319 408
1980	136	7 972	16 228	118 846	10 538	535 797	72 189	76 898	900 066	358 439	10 978	188 940	365 977
1981	133	8 065	16 560	139 937	13 211	616 964	82 185	89 168	1 025 532	402 341	11 148	216 691	411 112
1982	135	7 139	14 784	135 035	15 862	626 385	91 036	90 784	1 030 114	387 615	10 148	222 593	399 586

Source: Statistics Canada. Catalogue No. 36-206,36-215

SECTION V

FOREST INDUSTRY EMPLOYMENT AND COLLECTIVE BARGAINING STATISTICS

Table 5.1. Employment in the forest industry by industry group, Ontario, 1970-1982

Year	Logging	Sawmills and planing mills	Other wood industries	Pulp and paper mills	Other paper and allied industries	Total
1970	9 567	5 361	11 303	22 201	22 693	71 125
1971	8 125	5 204	11 631	21 305	22 562	68 827
1972	7 783	5 595	13 003	21 044	23 536	70 961
1973	8 983	6 620	14 042	21 271	24 120	75 036
1974	9 673	6 557	13 950	21 909	25 495	77 584
1975	8 028	5 444	13 840	20 912	24 266	72 490
1976	7 694	5 660	14 206	21 693	23 952	73 205
1977	8 447	6 221	13 889	21 604	21 884	72 045
1978	9 569	6 888	15 054	22 177	23 032	76 720
1979	9 684	7 105	15 797	22 539	23 633	78 758
1980	9 578	6 967	14 381	23 105	24 756	78 787
1981	9 003	6 630	14 340	22 776	24 605	77 354
1982	7 079	6 005	13 010	21 826	22 041	70 011

Source: Statistics Canada. Catalogue No. 25-202

Table 5.2. Ontario forest industry collective bargaining agreements expiring in 1984

A. In terms of agreement by month

Industry	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Woods	1	2	7	4	12	1	3	4	0	2	1	2	41
Paper and allied	2	5	5	18	6	4	0	9	5	6	1	11	132
forestry	0	0	1	6	1	0	0	14	2	0	0	0	24

B. In terms of employees covered by month

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Woods	18	52	545	206	1 479	2	60	137	0	89	488	125	3 201
Paper and allied	46	344	363	16 689	817	125	0	1 999	603	701	33	743	22 463
forestry	0	0	8	319	20	0	0	4 952	229	0	0	0	5 528

C. By size of bargaining unit

	Under 25		25 - 49		50 - 99		100 - 199		200 - 499		500 - 1000		1000 and Over		Total	
	Agrts	Empls	Agrts	Empls	Agrts	Empls	Agrts	Empls	Agrts	Empls	Agrts	Empls	Agrts	Empls	Agrts	Empls
Woods	17	215	5	160	8	520	6	772	5	1 534	0	0	0	0	41	3 201
Paper and allied	26	343	25	871	20	1 466	12	4 370	19	5 908	6	3 960	4	5 545	132	22 463
forestry	6	95	5	166	2	169	2	314	5	1 441	3	2 043	1	1 300	24	5 528

Sources: Labor Canada and the Ontario Ministry of Labor, Collective bargaining settlements and negotiations in Ontario. Monthly, various issues.

Table 5.3. Ontario forest industry collective bargaining agreements expiring in 1984 and 1985[a]

Employer	Location	Union	Number of employees	Effective date	Expiry date	Base rate
Forestry						
Abitibi-Price Inc.	Iroquois Falls	Carpenters	850	01/09/82	31/08/84	$12.18
	White River					
Domtar Inc.	Nipigon	Carpenters	230	01/09/82	31/08/84	$12.18
E.B. Eddy Forest Products Ltd.	Espanola	Carpenters	230	01/09/82	31/08/84	$12.18
Great Lakes Forest Products Ltd.	Thunder Bay	Carpenters	1600	01/09/82	31/08/84	$12.18
	Dryden			01/10/82	30/09/84	
Kimberly-Clark of Canada Ltd.	Longlac	Carpenters	930	01/09/82	31/08/84	$12.18
Pic River Forest Products Inc.	Marathon	Carpenters	265	01/09/82	31/10/84	$12.18
Spruce Falls Power and Paper Co.	Kapuskasing	Carpenters	625	01/09/82	31/08/84	$12.18
Wood Industries						
Consolidated Bathurst	Braeside	Woodworkers	200	01/07/83	30/06/85	$ 9.14
Dubreuil Brothers Limited	Dubreuilville	Employees' Association	275	01/04/82	31/03/84	$ 9.14
E.B. Eddy Forest Products Ltd.	Nairn Twp.	Canadian Paperworkers	210	01/09/83	31/08/85	$11.09
Levesque Plywood Limited	Hearst	Carpenters	220	01/06/82	31/05/84	$ 8.72
Northern Wood Preservers	Thunder Bay	Canadian Paperworkers	350	16/05/82	15/05/84	$ 9.43
Weldwood of Canada Ltd.	Longlac	Carpenters	204	01/06/82	31/05/84	$ 8.84
Interforest Ltd.	Durham	Woodworkers	200	12/05/83	11/05/85	$ 7.90
Weyerhaeuser Canada Ltd.[b]	S. S. Marie	Woodworkers	279	27/11/83	28/11/85	$ 8.36
Paper and Allied Industries						
Abitibi-Price Inc.	Ontario	Canadian Paperworkers	3985	01/05/82	30/04/84	$11.38
Abitibi-Price Inc.	Ontario	Office and Production	264	01/05/82	30/04/84	$1671/M
American Can of Canada Inc.	Marathon	United Paperworkers	550	01/05/82	30/04/84	$11.38
Boise Cascade Canada Limited	F.Frances/Kenora	Machinists/Elec/CPW	740	01/06/82	31/05/84	$11.38
Boise Cascade Canada Limited	F.Frances/Kenora	Office Employees	30	01/05/82	30/04/84	$11.38
C.I.P. Inc.	Hawkesbury	Office and Mill Locals	450	01/05/82	30/04/84	$11.38
Domtar Packaging	Red Rock	Canadian Paperworkers	490	01/05/82	30/04/84	$11.38
E.B. Eddy Forest Products Ltd.	Espanola	Canadian Paperworkers	745	01/05/82	30/04/84	$11.38
E.B. Eddy Forest Products Ltd.	Ottawa	various mill locals	793	01/05/82	30/04/84	$10.81
Fraser Inc.	Thorold	various paperworkers	500	01/05/82	30/04/84	$10.44
Great Lakes Forest Products Ltd.	Dryden	Canadian Paperworkers	1466	01/09/82	31/08/84	$11.38
Great Lakes Forest Products Ltd.	Thunder Bay	Canadian Paperworkers	1600	01/05/82	30/04/84	$11.38
Kimberly-Clark of Canada Ltd.	Terrace Bay	Paperworkers and Electrical	740	01/05/82	30/04/84	$11.40
MacMillan Bloedel Limited	Pembroke	Woodworkers	216	01/01/83	31/12/85	$10.87
MacMillan Bloedel Limited	Sturgeon Falls	Canadian Paperworkers	330	01/05/82	30/04/84	$11.21
Ontario Paper Co. Limited	Thorold	Various Trades	2000	01/05/82	30/04/84	$11.56
Ontario Paper Co. Limited	Thorold	Paperworkers and Longshoremen	675	01/05/82	30/04/84	$11.38
Spruce Falls Power and Paper Co.	Kapuskasing	Canadian Paperworkers	1350	01/05/82	30/04/84	$11.38

[a] Based on contracts settled as of March 1984, and settlements covering 200 or more Ontario employees.
[b] Mill purchased by G.W. Martin Limited, April 1984.
Sources: Labor Canada and the Ontario Ministry of Labor. Collective bargaining settlements. Monthly, various issues.

SECTION VI

FOREST PRODUCTION AND MANAGEMENT DATA

Table 6.1. Primary forest production, by product, Ontario, 1972-1982

Year		Logs and bolts	Pulpwood	Fuelwood	Miscellaneous roundwood	Total
				('000 m^3)		
1972	softwood	4 176	9 197	212	201	13 786
	hardwood	1 911	1 152	510	*	3 573
1973	softwood	4 587	9 868	215	203	14 873
	hardwood	1 770	1 274	527	*	3 571
1974	softwood	4 191	10 562	227	150	15 130
	hardwood	1 826	1 331	580	*	3 737
1975	softwood	3 653	6 966	241	142	11 002
	hardwood	1 614	963	637	*	3 214
1976	softwood	5 437	8 552	255	193	14 437
	hardwood	1 926	850	665	*	3 441
1977	softwood	5 947	9 004	198	156	15 305
	hardwood	1 968	1 302	694	*	3 964
1978	softwood	6 230	9 267	255	139	15 891
	hardwood	2 025	1 337	934	*	4 296
1979	softwood	6 782	9 183	297	133	16 395
	hardwood	2 350	1 586	963	*	4 899
1980	softwood	6 768	9 345	255	113	16 481
	hardwood	2 293	1 458	1 090	*	4 841
1981	softwood	6 937	10 619	382	127	18 065
	hardwood	1 770	1 486	1 487	*	4 743
1982	softwood	6 139	8 835	359	113	15 446
	hardwood	1 495	1 387	1 450	*	4 332

* Included with softwood

Source: Statistics Canada. Catalogue No. 25-201

Table 6.2. Estimated annual allowable cut, actual cut on provincial crown land for softwoods, by administrative region, Ontario, 1982/83

Region	Spruce	Balsam fir	Jack pine	Red and white pine	Other	Total
			(Net merchantable m^3)			
Northwestern						
Allowable	3 588 126	979 558	2 349 459	25 914	77 184	7 020 241
Actual	1 283 691	33 744	1 530 751	18 893	21 353	2 888 432
Actual/allowable	0.36	0.03	0.65	0.73	0.28	0.41
North Central						
Allowable	4 603 782	1 185 063	1 520 909	54 691	34 972	7 399 417
Actual	2 460 567	283 138	1 232 235	28 482	3 403	4 007 825
Actual/allowable	0.53	0.24	0.81	0.52	0.10	0.54
Northern						
Allowable	4 249 846	503 947	1 346 592	70 368	89 110	6 259 863
Actual	2 570 057	243 747	1 075 163	49 156	7 508	3 945 631
Actual/allowable	0.60	0.48	0.80	0.70	0.08	0.63
Northeastern						
Allowable	1 580 679	456 012	850 993	586 529	253 111	3 727 324
Actual	361 636	23 089	291 176	406 209	11 573	1 093 683
Actual/allowable	0.23	0.05	0.34	0.69	0.04	0.29
Algonquin						
Allowable	63 451	56 453	19 008	273 209	193 764	605 885
Actual	25 686	1 811	5 866	216 543	45 689	295 595
Actual/allowable	0.40	0.03	0.31	0.79	0.24	0.49
Eastern						
Allowable	2 919	3 937	a	18 392	5 465	30 613
Actual	5 627	1 508	3	20 787	2 987	30 912
Actual/allowable	1.92	0.39		1.13	0.55	1.01
Central						
Allowable	a	a	a	a	a	a
Actual	b	b	b	24 578	b	24 578
Actual/allowable						
Southwestern						
Allowable	a	a	a	a	a	a
Actual	b	b	b	b	b	b
Actual/allowable						
All Regions						
Allowable	14 088 803	3 184 870	6 086 961	1 029 103	653 606	25 043 343
Actual	6 707 264	587 037	4 135 194	764 648	92 513	12 286 656
Actual/allowable	0.48	0.18	0.68	0.74	0.14	0.49

a not available
b No volumes cut
Source: Ontario Ministry of Natural Resources. Requested compilation.

Table 6.3. Estimated annual allowable cut, actual cut on provincial crown land for hardwoods, by administrative region, Ontario, 1982/83

	White birch	Poplar	Other hardwoods	Total
	(Net merchantable m^3)			
Northwestern				
Allowable	578 698	1 597 923	25 986	2 220 507
Actual	1 141	68 186	7 539	76 866
Actual/allowable	a	0.04	0.27	0.03
North Central				
Allowable	872 202	1 528 335	12 020	2 412 557
Actual	17 154	750 755	80 084	847 993
Actual/allowable	0.02	0.49	6.66	0.35
Northern				
Allowable	628 470	1 533 466	29 242	2 191 178
Actual	9 651	468 442	55 299	533 392
Actual/allowable	0.02	0.31	1.89	0.24
Northeastern				
Allowable	968 467	1 190 739	1 082 809	3 242 015
Actual	24 589	83 309	415 871	523 769
Actual/allowable	0.03	0.07	0.38	0.16
Algonquin				
Allowable	109 746	371 751	562 200	1 043 697
Actual	12 942	126 180	304 863	443 985
Actual/allowable	0.12	0.34	0.54	0.43
Eastern				
Allowable	11 233	37 197	52 384	100 814
Actual	30 353	10 897	79 090	120 340
Actual/allowable	2.70	0.29	1.15	1.19
Central				
Allowable	b	b	b	b
Actual	c	c	c	c
Actual/allowable				
Southwestern				
Allowable	b	b	b	b
Actual	c	c	c	c
Actual/allowable				
All Regions				
Allowable	3 168 816	6 259 411	1 764 541	11 192 768
Actual	95 830	1 507 769	942 746	2 546 345
Actual/allowable	0.03	0.24	0.53	0.23

a not significant
b not available
c no volumes cut
Source: Ontario Ministry of Natural Resources. Requested compilation.

Table 6.4. Hardwood timber harvested on provincial crown land by species, 1976-1983 (m^3)

Year*	Ash	Basswood	Beech	White birch	Yellow birch	Butter-nut	Cherry	Elm	Maple	Oak	Poplar	Mixed	Total
1976	1 076	6 485	9 854	61 504	123 320	-	736	1 614	221 466	7 504	687 164	109 161	1 229 884
1977	1 274	6 088	12 856	63 939	122 838	-	595	878	258 844	6 456	792 672	323 633	1 590 073
1978	1 303	7 759	14 696	66 290	111 115	-	821	623	241 344	8 920	1 059 586	452 984	1 965 497
1979	1 864	12 009	26 846	86 832	121 078	28	1 235	297	292 783	12 194	1 439 082	642 203	2 636 451
1980	2 494	13 897	23 453	96 526	121 990	14	1 243	306	270 417	14 362	1 509 922	677 854	2 732 479
1981	1 519	9 069	15 737	62 557	90 478	16	634	111	178 833	10 845	1 414 955	633 769	2 418 525
1982	2 021	11 042	19 581	77 523	105 982	16	1 373	39	219 345	11 389	1 800 431	647 366	2 896 121
1983	1 558	7 769	18 377	93 562	78 058	36	1 584	165	164 317	10 415	1 505 038	648 316	2 529 198

* In year ending 31 March
- No volumes recorded
Totals may not be precise because figures have been rounded.
Source: Anon. Statistics 19__ (various issues) Ont. Min. Nat. Resour., Toronto, Ont.

Table 6.5. Softwood timber harvested on provincial crown lands by species, 1976-1983 (m^3)

Year*	Balsam	Cedar	Hemlock	Jack pine	Red pine	Scotch pine	White pine	Spruce	Tamarack	Mixed	Total
1976	273 002	14 725	47 091	2 726 398	202 720	85	446 754	4 299 283	2 152	19 369	8 031 607
1977	418 522	11 327	53 434	3 823 306	144 444	-	492 627	6 586 516	2 832	2 237	11 535 216
1978	529 184	12 289	58 049	5 010 884	174 205	-	586 894	7 511 569	1 926	7 079	13 892 165
1979	602 451	16 863	79 471	5 507 057	157 209	-	533 606	8 193 427	2 321	36 527	15 128 932
1980	662 803	22 886	64 167	6 207 462	192 051	-	607 311	8 901 496	4 622	9 970	16 672 766
1981	926 677	13 972	59 109	5 927 897	187 494	-	495 271	8 692 652	5 658	10 017	16 318 746
1982	718 975	13 659	63 504	5 362 713	183 663	-	529 159	7 724 772	2 330	18 503	14 617 179
1983	586 883	17 195	47 361	4 135 200	168 759	-	563 024	6 707 133	1 168	30 599	12 257 322

* In year ending 31 March
- No volumes recorded
Totals may not be precise because figures have been rounded.
Source: Anon. Statistics 19__ (various issues) Ont. Min. Nat. Resour., Toronto, Ont.

Table 6.6. Shipments of roundwood, by product, Ontario, 1968-1982

	Logs and bolts						Pulpwood						Other roundwood		Total roundwood	
	Softwood		Hardwood		Total		Softwood		Hardwood		Total					
Year	Quant.[a]	Val.[b]	Quant.	Val.	Quant.	Val.	Quant.	Val.	Quant.	Val.	Quant.	Val.	Quant.	Val.	Quant.	Val.
1968	NA	NA	NA	NA	3 505	37 660	NA	NA	Na	Na	11 808	144 471	103	1 609	15 416	183 740
1969	2 277	22 868	736	11 064	3 013	33 932	11 395	142 701	1 509	15 009	12 904	157 710	95	1 485	16 012	193 127
1970	2 143	22 201	557	8 356	2 700	30 557	10 639	140 176	1 283	12 702	11 922	152 078	63	1 047	14 684	184 482
1971	2 608	28 479	606	9 205	3 214	37 684	9 336	129 269	1 051	9 643	10 387	138 912	72	1 306	13 672	177 902
1972	3 055	34 624	706	10 819	3 760	45 463	10 780	147 679	1 085	10 533	11 865	158 212	79	1 595	15 704	205 270
1973	2 659	33 224	690	11 192	3 349	44 416	11 142	162 605	1 203	13 975	12 345	176 580	37	716	15 731	221 712
1974	2 842	39 930	733	13 935	3 575	53 865	11 298	209 913	1 524	16 413	12 822	226 326	40	911	16 438	281 102
1975	2 529	43 972	494	12 612	3 023	56 584	7 866	174 412	594	9 883	8 460	184 295	100	2 460	11 583	243 339
1976	2 498	50 424	523	13 154	3 021	63 578	8 877	222 776	1 061	19 876	9 938	242 652	23	765	12 983	306 995
1977	3 594	78 155	609	14 839	4 203	92 994	9 370	255 049	1 182	24 417	10 552	279 466	47	931	14 802	373 391
1978	4 111	100 337	652	17 220	4 763	117 557	9 916	282 712	1 193	27 671	11 109	310 383	4	102	15 877	428 042
1979	4 145	112 307	727	21 684	4 872	133 991	10 053	314 650	1 323	34 414	11 375	349 064	c	c	16 248	483 055
1980	4 545	132 448	700	22 129	5 245	154 577	10 291	341 071	1 207	31 127	11 498	372 198	c	c	16 743	526 775
1981	3 581	118 481	1 062	37 251	4 643	155 732	10 075	363 999	2 137	66 779	12 212	430 778	c	c	16 855	586 510
1982	2 996	100 791	862	26 135	3 859	126 926	10 059	348 578	1 909	64 094	11 968	412 672	2	92	15 828	539 690

a - '000 m^3
b - $'000
c - Included with softwood logs and bolts
NA - Not available
Source: Statistics Canada. Catalogue No. 25-201

Table 6.7. Area of land harvested, Ontario, 1981-1983

Harvest cut	Crown lands	F.M.A.[a]	Total crown lands	Agreement forests (municipal)	W.I.A.[b]	Other patent lands	Grand total
			(hectares)				
1981							
Evenaged	166 249	19 180	185 429	165	131	31 437	217 162
Unevenaged	10 948	-	10 948	821	523	13 230	25 522
Total	177 197	19 180	196 377	986	654	44 667	242 684
1982							
Evenaged	146 928	25 366	172 294	79	134	30 280	202 787
Unevenaged	7 229	-	7 229	827	988	15 773	24 817
Total	154 157	25 366	179 523	906	1 122	46 053	227 604
1983							
Evenaged	126 219	42 411	168 630	2 181	151	29 375	200 337
Unevenaged	9 561	-	9 561	219	599	12 475	22 584
Total	135 780	42 411	178 191	2 400	750	41 850	223 191

[a] Forest management agreements on provincial crown land

[b] Harvesting on lands managed under the Woodlands Improvement Act

Source: Anon. Statistics 19__ (various issues). Ont. Min. Nat. Resour., Toronto, Ont.

Table 6.8. Silvicultural operations on provincial crown lands, Ontario, 1980-1983

Treatment	Year[a] 1980	1981	1982	1983
	(hectares)			
Regeneration				
Planting				
Bare-root	19 830	18 786	22 561	21 272
Container	3 860	4 829	6 357	7 305
Hybrid poplar cuttings	...	24	31	19
Seeding	24 251	47 296	27 869	29 857
Scarification	2 392	3 241	1 653	817
Strip cutting	2 058	1 562	2 879	1 445
Seed tree cutting	7 339	3 934	3 100	3 215
Shelterwood cutting	9 867	9 794	7 738	9 431
Clear cutting	2 266	6 202	4 909	7 552
Total	71 863	95 668	77 097	80 913
Retreatment	2 072	7 981	2 263	2 353
Tending				
Hand cleaning	5 326	4 481	3 686	5 844
Herbicide spraying	13 156	25 404	19 668	26 165
Thinning, improvement cuts	8 511	8 209	6 679	6 698
Pruning	695	853	618	756
Fertilization, drainage	172	166	163	87
Total	27 860	39 113	30 814	39 550
Site preparation	49 061	51 057	53 289	67 583
Marking	50 607	43 390	38 954	37 229
Total area treated	201 463	237 209	202 417	225 275

[a] In year ending 31 March

Source: Anon. Statistics 19__ (various issues). Ont. Min. Nat. Resour., Toronto, Ont.

Table 6.9. Silvicultural operations by ownership, Ontario, 1982/83

Treatment	Crown land[a]	Forest management agreements[a]	Agreement forests (municipal)	Private (WIA)[b]	Other private	Total
			(hectares)			
Regeneration						
Planting						
Bare-root	16 311	4 961	330	5 349	3 327	30 278
Container	3 982	3 323	97	119	43	7 564
Hybrid cuttings	19	-	116	55	8	198
Seeding	22 251	7 606	-	-	134	29 991
Scarification	817	-	-	4	-	821
Strip cutting	1 171	274	1	-	-	1 446
Seed tree cutting	2 307	908	6	-	339	3 560
Shelterwood cutting	9 431	-	6	-	48	9 485
Clear cutting	5 991	1 561	42	4	1 826	9 424
Total	62 280	18 633	598	5 531	5 725	92 767
Retreatment	2 256	97	257	1 623	59	4 292
Tending						
Hand cleaning	5 752	92	216	654	24	6 738
Herbicide spraying	10 633	15 532	674	2 791	2 205	31 835
Improvement cuts	6 563	135	1 701	2 757	2 480	13 636
Pruning	756	-	852	411	1	2 020
Fertilization, drainage	87	-	161	29	-	277
Total	23 791	15 759	3 604	6 642	4 710	54 506
Site preparation	47 393	20 190	601	2 077	737	70 998
Marking	37 229	-	3 217	4 134	9 373	53 953
Total area treated	170 693	54 582	8 020	18 384	20 545	272 224

[a] Provincial crown land
[b] Lands managed under the Woodlands Improvement Act
Source: Anon. 1983. Statistics 1983. Ont. Min. Nat. Resour., Toronto, Ont. p. 14.

Table 6.10. Forest fire losses, Ontario, 1965-1982

Year	Crown	Private	Total	No. of fires
		(hectares)		
1965	6 068	1 987	8 055	1 218
1966	3 421	2 413	5 834	1 921
1967	23 768	1 930	25 698	1 465
1968	1 078	2 751	3 829	1 219
1969	1 813	669	2 482	901
1970	22 358[a]	1 179[a]	23 537	1 239
1971	40 284[a]	1 689[a]	41 973	1 790
1972	29 802[a]	2 208[a]	32 010	1 604
1973	2 417	1 190	3 607	1 111
1974	522 641	1 346	523 987	1 625
1975	11 226	5 630	16 856	3 146
1976	536 529	7 578	544 107	3 985
1977	411 752	4 564	416 316	2 049
1978	7 040	483	7 523	940
1979	63 322	393	63 715	1 564
1980	524 893	35 847	560 740	1 779
1981	173 479	5 994	179 473	1 656
1982	2 555	1 337	3 892	1 396

[a] Personal communication, Ont. Min. Nat. Resour.
Source: Anon. 1983. Statistics 1983. p. 88. Ont. Min. Nat. Resour., Toronto, Ont.

Table 6.11. **Forest fire losses by administrative region, Ontario, 1973-1982**

Year	Northwestern	North Central	Northern	Northeastern	Algonquin	Eastern	Central	South-western	Total
					(hectares)				
1973	1 177	1 428	413	383	108	91	6	1	3 607
1974	436 587	82 198	3 870	771	410	112	34	4	523 987
1975	708	4 242	5 155	4 831	1 269	619	18	14	16 856
1976	360 452	164 761	14 653	3 426	671	140	1	1	544 106
1977	287 200	74 454	40 843	12 485	1 065	229	38	1	416 315
1978	952	4 377	528	616	864	151	8	27	7 523
1979	49 109	13 611	622	96	107	168	2	.1	63 715
1980	374 367	177 276	7 056	1 198	184	197	15	13	560 307
1981	109 841	56 049	12 394	513	318	276	67	14	179 473
1982	1 639	252	422	970	275	233	80	22	3 892

[a] Totals may not be precise because figures have been rounded.
Source: Anon. Statistics 19__ (various issues). Ont. Min. Nat. Resour., Toronto, Ont.

Table 6.12. Prescribed burning, by ownership type, Ontario, 1978-1983

Year[a]	Crown land	Forest management agreements	Total crown[b]	Agreement forests	W.I.A.[c]	Sub-total	Other patent lands	Total
				(hectares)				
1978	2 915	-	2 915	-	34	2 949	-	2 949
1979	4 199	-	4 199	24	24	4 248	-	4 248
1980	4 063	-	4 063	22	77	4 163	-	4 163
1981	2 362	-	2 362	-	-	2 362	-	2 362
1982	2 401	-	2 401	8	-	2 409	-	2 409
1983	4 826	434	5 260	-	17	5 277	-	5 277

[a] For year ending 31 March
[b] Provincial crown land
[c] Lands managed under the Woodlands Improvement Act
Source: Ont. Min. Nat. Resour. Special compilation

Table 6.13. **Container stock production centres, Ontario, 1983**

OMNR administrative region	No. of production centres	Production area (m^2)	Planned production ('000 trees)
Northwestern	6	6 856	1984 - 11 750 1985 - 11 750 1986 - 11 750
North Central	7	17 672	1984 - 13 466 1985 - 13 466 1986 - 13 466
Northern	12	31 052	1984 - 36 960 1985 - 36 960 1986 - 36 960
Northeastern	1	9 235	1984 - 5 000 1985 - 5 000 1986 - 5 000
Algonquin	-	-	-
Eastern	2	2 960	1984 - 1 200 1985 - 1 200 1986 - 1 200
Central	-	-	-
Southwestern	-	-	-

Source: Smyth, J.H. and Brownwright, A. 1983. Forest tree production centres in Canada, 1983. Dep. Environ., Can. For. Serv., Sault Ste. Marie, Ont. Inf. Rep. O-X-357.

Table 6.14. **Bare-root stock production centres, Ontario 1983**

OMNR administrative region	No. of production centres	Production area (m^2)	Planned production ('000 trees)
Northwestern	1	12 000	1984 - 6 000 1985 - 6 000 1986 - 6 000
North Central	2	20 250	1984 - 17 000 1985 - 18 000 1986 - 20 000
Northern	3	28 500	1984 - 24 800 1985 - 25 500 1986 - 25 500
Northeastern	1	1 500	1984 - 1 500 1985 - 1 500 1986 - 1 500
Algonquin	-	-	-
Eastern	1	12 000	1984 - 10 000 1985 - 11 500 1986 - 11 500
Central	2	20 300	1984 - 15 500 1985 - 16 200 1986 - 16 500
Southwestern	1	8 100	1984 - 7 200 1985 - 7 200 1986 - 7 200

Source: Smyth, J.H. and Brownwright, A. 1983. Forest tree production centres in Canada, 1983. Dep. Environ., Can. For. Serv., Sault Ste. Marie, Ont. Inf. Rep. O-X-357.

SECTION VII

FOREST MANAGEMENT AGREEMENTS

Table 7.1. **Summary of forest management agreements**

Company	Date signed	Area profile (km^2)		N.S.R. lands (ha)[a]	
Abitibi-Price Inc. FMA No. 500200	28-04-80	productive	7 352.4	b	26 224
		unproductive	2 102.4	c	14 437
				d	920
		Total	9 454.8	e	6 721
				f	5 443
					53 745
Great Lakes Forest Products Inc. FMA No. 500300	20-06-80	productive	4 624.2	b	4 566
		unproductive	1 642.9	c	1 356
				d	8 264
		Total	6 267.1	e	607
				f	36
					14 829
E.B. Eddy Forest Products Ltd. FMA No. 500400	11-08-80	productive	5 587.3	b	22 205
		unproductive	1 559.3	c	1 421
				d	1 359
		Total	7 146.6	e	840
				f	823
					26 648
E.B. Eddy Forest Products Ltd. FMA No. 500500	11-08-80	productive	5 136.8	b	14 819
		unproductive	1 474.3	c	1 019
				d	1 414
		Total	6 611.1	e	2 125
				f	1 774
					21 151
Spruce Falls Power and Paper Co. Ltd. FMA No. 500600	19-09-80	productive	13 867.9	b	1 866
		unproductive	2 236.2	c	39 647
				d	700
		Total	16 104.1	e	6 066
				f	13 788
					62 067
Abitibi-Price Inc. FMA No. 500700	15-12-81	productive	5 992.3	b	37 120
		unproductive	1 531.2	c	3 333
				d	14 943
		Total	7 523.5	e	969
				f	2 584
					58 949

(cont'd)

Table 7.1. **Summary of forest management agreements** (cont'd)

Company	Date signed	Area profile (km^2)		N.S.R. lands (ha)[a]	
Ontario Paper Co.	31-03-82	productive	2 198.2	b	13 267
FMA No. 500800		unproductive	354.0	c	116
				d	303
		Total	2 552.2	e	2 894
				f	3 979
					20 559
Domtar Inc.	31-03-82	productive	5 189.0	b	20 385
FMA No. 500900		unproductive	940.3	c	3 512
				d	25 057
		Total	6 129.3	e	4 908
				f	23 019
					76 881
Ontario Paper Co.	14-03-83	productive	3 819.3	b	6 515
FMA No. 501000		unproductive	676.8	c	84
				d	1 401
		Total	4 496.1	e	2 821
				f	5 987
					16 808
Pineland Timber Co.	28-02-83	productive	2 649.0	b	22 881
FMA No. 501100		unproductive	529.0	c	6 326
				d	1 429
		Total	3 178.3	e	6 294
				f	7 654
					44 584
Boise Cascade Can.	30-03-83	productive	1 890.9	b	9 427
FMA No. 501200		unproductive	799.7	c	--
				d	1 760
		Total	2 690.6	e	244
				f	519
					11 950
Boise Cascade Can.	30-03-83	productive	2 735.9	b	6 806
FMA No. 501300		unproductive	1 174.2	c	27
				d	2 329
		Total	3 910.1	e	1 320
				f	991
					11 473

(cont'd)

Table 7.1. **Summary of forest management agreements** (cont'd)

Company	Date signed	Area profile (km^2)			N.S.R. Lands (ha)[a]
Waferboard Corp.	21-02-83	productive	2 857.4	b	14 765
FMA No. 501400		unproductive	706.9	c	545
				d	36
		Total	3 564.3	e	1 349
				f	8 117
					24 812
Abitibi-Price Inc.	16-06-83	productive	4 873.9	b	29 469
FMA No. 501500		unproductive	884.0	c	1 902
				d	1 201
		Total	5 757.9	e	1 793
				f	6 028
					40 393
Ontario Paper Co.	20-06-83	productive	534.5	b	9 505
FMA No. 501600		unproductive	127.0	c	4 226
				d	705
		Total	661.5	e	403
				f	1 532
					16 371
Ontario Paper Co.	20-06-83	productive	908.2	b	5 735
FMA No. 501700		unproductive	148.6	c	4 410
				d	2 416
		Total	1 056.8	e	694
				f	2 291
					15 546
Ontario Paper Co.	20-06-83	productive	1 603.8	b	15 379
FMA No. 501800		unproductive	291.1	c	4 378
				d	3 895
		Total	1 894.9	e	2 326
				f	3 645
					29 623
Boise Cascade Can.	2-04-84	productive	2 319.7	b	11 042
FMA No. 501900		unproductive	918.1	c	1 208
				d	533
		Total	3 237.8	e	851
				f	1 446
					15 080

(cont'd)

Table 7.1. **Summary of forest management agreements** (concl.)

Company	Date signed	Area profile (km^2)		N.S.R. Lands (ha)[a]	
Boise Cascade Can. FMA No. 502000	2-04-84	productive	2 240.8	b	12 626
		unproductive	1 033.8	c	1 854
				d	5 049
		Total	3 274.6	e	1 068
				f	4 325
					24 922
Boise Cascade Can. FMA No. 502100	2-04-84	productive	2 982.8	b	6 459
		unproductive	994.4	c	-
				d	228
		Total	3 977.2	e	31
				f	2 124
					8 842
Dubreuil Brothers Ltd. FMA No. 502200	24-02-84	productive	3 197.2	b	7 643
		unproductive	678.0	c	814
				d	1 356
		Total	3 875.2	e	3 574
				f	15 195
					28 582
Great Lakes Forest Products Ltd. FMA No. 502300	24-09-84	productive	7 365.8	b	178 725
		unproductive	2 392.7	c	23
				d	1 255
		Total	9 758.5	e	1 438
				f	8 363
					189 804

[a] Not satisfactorily regenerated
b Free-to-grow
c Requires tending
d Can be regenerated at normal costs
e Can be regenerated at costs 50% to 100% greater than normal
f Cannot be regenerated under present technology

SECTION VIII

CANADA-ONTARIO SUBSIDIARY AGREEMENTS

Table 8.1. Canada-Ontario Community and Rural Resource Development Subsidiary Agreement

Duration[a]: 7 December 1977 to 31 March 1985 as amended 19 June 1978, 25 October 1978, 8 December 1978, 15 February 1980, 5 July 1982, 31 March 1983, 23 November 1983, and 27 May 1983.

Total cost[b]: $ 34 703 886

Objectives: To strengthen the community structure of rural areas by encouraging residents to contribute to and participate in developing the social and economic potential of the area; improving the opportunities for productive long-term employment through the assessment and pursuit of economic opportunities related to development of natural resources; and strengthening and diversifying the economic base of the rural areas by encouraging the development of alternative secondary industry.

Elements:

1) Upper Ottawa Valley	- $ 1 271 886
2) New forests in eastern Ontario	- $ 6 497 000
3) Kirkland Lake area	- $ 2 635 000
4) Pembroke infrastructure	- $ 23 100 000
5) Elliot Lake filtration plant expansion	- $ 1 200 000
Total	$ 34 703 886

Element No. 2 Estimated total cost:

1) Hybrid poplar development	
a) Technical development	- $ 3 180 000
b) Nursery	- $ 1 697 000
2) Hardwood forest renewal	- $ 1 090 000
3) Forest and agriculture resource inventory	- $ 220 000
4) Hybrid poplar research	- $ 310 000
Total	- $ 6 497 000

Expenditure summary: New forests in eastern Ontario

Element components	Actual expenditures						
	1977/78	1978/79	1979/80	1980/81	1981/82	1982/83	1983/84
	$000						
1) Hybrid poplar development							
a) Technical development	--	262	497	496	564	361	1 000
b) Nursery	--	506	93	601	254	244	--
2) Hardwood forest renewal	--	217	268	250	118	204	--
3) Forest and agriculture resource inventory	--	19	68	121	5	7	--
4) Hybrid poplar research	--	67	87	58	57	34	--
Total	--	1 071	1 013	1 526	998	850	1 000

a Agreement extended to 31 March 1983, by Amendment No. 1, dated 19 June 1978. Agreement subsequently extended to 31 March 1985 by Amendment No. 5, dated 5 July 1982.

b Total costs shared on a 50-50 basis between the federal and provincial governments.

Note: Funding allowed for further 12 months following agreement termination date, to 31 March 1986.

Source: Department of Regional Industrial Expansion

Table 8.2. **Canada-Ontario Forest Management Subsidiary Agreement**

Duration: 8 December 1978 to 31 March 1984 as amended 15 February 1980, 23 February 1981, and 24 October 1983.

Total cost[a]: $ 82 236 500

Objectives: To enable Canada and the province to participate jointly in measures to improve forest management, and accelerate reforestation and private-sector employment, in an effort not only to create new employment within the province's wood-based industries, but also to sustain existing productive employment which is currently in jeopardy because of the present inability to ensure long-term wood supplies.

Elements and estimated total cost:

1) Forest access roads	$ 54 500 000
2) Silviculture camps	$ 1 910 000
3) Nursery expansion	$ 8 061 000
4) Soil survey	$ 1 000 000
5) Assessments	$ 4 100 000
6) Forest renewal	$ 1 939 000
Subtotal	$ 71 510 000
Contingency allowance	$ 10 726 500
Total	$ 82 236 500

Expenditure summary:

Element	Actual expenditures					
	1979/80	1980/81	1981/82	1982/83	1983/84[b]	1984/85[c]
	$ 000					
1) Forest access roads	430.9	5 289.7	8 871.3	14 129.7	12 417.2	10 950.0
2) Silviculture camps	306.8	1 250.9	315.3	13.2	12.5	4.4
3) Nursery expansion	--	2 378.5	2 747.5	2 977.7	685.1	0.0
4) Soil survey	--	355.5	480.0	210.9	69.6	20.0
5) Assessments	--	1 336.1	1 210.6	1 007.9	743.8	425.6
6) Forest renewal	--	--	--	--	2 516.0	0.0
Total	737.7	10,610.7	13,624.7	18,339.5	16,444.2	11,400.0

[a] Total costs shared on a 50-50 basis between the federal and provincial governments.
[b] Subject to adjustment by 1983/84 Audit Report
[c] Anticipated cash flow
Source: Canadian Forestry Service, Government of Canada and Ontario Ministry of Government Services, Audit Branch

Table 8.3. **Canada-Ontario Eastern Ontario Subsidiary Agreement**

Duration: 20 December 1979 to 30 September 1984 by Amendment No. 2 dated 30 March 1984

Total cost[a]: $ 50 350 000

Objectives: To stabilize the economy of the eastern Ontario region; to diversify the economic base of the region; to increase the utilization and development of the region's natural resources; to ensure the long-term availability of natural resources within the region; and to attract private investment to the region.

Elements:		
1)	Agriculture	- $ 22 850 000
2)	Forestry program	- $ 9 000 000
3)	Minerals program	- $ 4 400 000
4)	Tourism program	- $ 3 700 000
5)	Small business incentives program	- $ 10 000 000
6)	Analysis and review program	- $ 250 000
7)	Public information program	- $ 150 000
	Total	- $ 50 350 000

Element No. 3 estimated total cost:

Forestry - $ 9 000 000

Expenditure summary: forestry program

	Actual expenditures				
	1979/80	1980/81	1981/82	1982/83	1983/84
	- - - - - - - - - - -		$ 000	- - - - - - - - - - -	
Forestry program	193	2 401	4 305	2 101	--

[a] Total costs shared on a 50-50 basis between federal and provincial governments.

Note: Payment eligibility to 31 March 1985 - six months only beyond revised termination date.

Source: Department of Regional Industrial Expansion

Table 8.4. **Canada-Ontario Northern Rural Development Subsidiary Agreement**

Duration: 2 March 1981 to 31 March 1984.

Total Cost[a]: $ 18 500 000

Objectives: To sustain, expand and diversify the economic base of the rural areas of northern Ontario; to identify and encourage the establishment of new economic activities and the expansion of existing economic activities utilizing local resources; to create or sustain employment opportunities for local residents; to raise income levels throughout the region; and to attract private investment.

Elements:		
1)	Agricultural development	- $ 4 700 000
2)	Natural resource development	- $ 3 400 000
3)	Tourism development	- $ 3 000 000
4)	Rural employment incentives	- $ 5 000 000
5)	Rural industrial infrastructure	- $ 600 000
6)	Program analysis and review	- $ 130 000
7)	Public information	- $ 170 000
8)	Native funding (status Indian)	- $ 1 500 000
	Total	$ 18 500 000

Element No. 2 estimated total cost:

A)	Community-based geological surveys	- $ 1 190 000
B)	Resource diversification program	- $ 1 610 000
C)	Rural forest production	- $ 600 000
	Total	$ 3 400 000

Expenditure summary:

Natural resource development (rural forest production subprogram) and native funding

	Actual expenditures				
	1981/82	1982/83	1983/84	1984/85	1985/86
	- - - - - - - - - - - - $ 000 - - - - - - - - - - - -				
Rural forest production	96	183	246	--	--
Native funding (forestry)	62	97	56	--	--
Total	158	280	302	--	--

[a] Total costs shared on a 50-50 basis between the federal and provincial governments, except for native funding which is 100% federal funding.

Note: This agreement provides for a two-year payment eligibility beyond termination date to 31 March 1986.

Source: Department of Regional Industrial Expansion

Table 8.5. **Canada-Ontario Pulp and Paper Industries Facilities Improvement Subsidiary Agreement**

Duration: 15 May 1979 to 31 March 1984 as amended 13 December 1979, 5 February 1981, and 23 November 1983.

Total cost[a]: $ 188 100 000

Objectives: To enable Canada and Ontario to participate jointly in programs of incentives for the pulp and paper industry in Ontario, to assist in meeting the costs of conforming to pollution-abatement standards, to improve the viability and competitiveness of the pulp and paper industry in Ontario by accelerating and maximizing private sector investment in modernization, and to promote policies which are supportive of good forest management, pollution abatement and modernization.

Elements and estimated total cost:

1) Pulp and paper mill pollution-abatement program
2) Pulp and paper mill modernization program
3) Consulting and professional services program
4) Public information and evaluation program
   Total cost: $ 188 100 000

Expenditure summary:

	Actual expenditure				
	1979/80	1980/81	1981/82	1982/83	1983/84
	- - - - - - - - - - - - $ 000 - - - - - - - - - - - -				
1) Pulp and paper mill pollution abatement	--	83 058	42 096	29 673	19 656
2) Pulp and paper mill modernization					
3) Consulting and professional services	--	--	--	--	69
4) Public information and evaluation	--	--	--	--	--
Total	--	83 058	42 096	29 673	19 725

[a] Total costs shared on a 33.3/66.3% basis between the federal and provincial governments.

Note: This agreement provides for payment elegibility to 31 March 1986, two years after termination date.

Source: Department of Regional Industrial Expansion

Table 8.6. **Canada-Ontario Pulp and Paper Industries Facilities Improvement Subsidiary Agreement: incentives offered by company**[a]

Agreement date	Company and mills	Approved eligible capital costs ($ 000)	Incentive offered ($ 000)
20 June 1979	Spruce Falls Power and Paper Co. Ltd.	57 400	7 800
	- Kapuskasing		
25 Oct. 1979	E.B. Eddy Forest Products Ltd.	185 326	25 000
	- Espanola	176 100	
	- Ottawa	9 226	
2 Jan. 1980	Domtar Inc.	103 682	15 750
	- Red Rock	57 718	
	- Cornwall	40 109	
	- Trenton	5 855	
14 Feb. 1980	Abitibi-Price Inc.[b]	181 674	22 500
	- Iroquois Falls	98 441	
	- Fort William	19 768	
	- Thunder Bay	11 838	
	- Thunder Bay - Provincial	13 797	
	- Smooth Rock Falls	10 887	
	- Thorold	18 435	
	- Sault Ste. Marie	8 508	
29 Feb. 1980	The Ontario Paper Company Ltd.	207 500	32 000
	- Thorold		
31 Mar. 1980	Great Lakes Forest Products Ltd.	366 827	38 000
	- Thunder Bay	78 061	
	- Dryden - pulp mill	212 590	
31 Mar. 1981	- Dryden - fine paper mill	76 176	10 000
27 Mar. 1981	Macmillan Bloedel Industries Ltd.	10 070	1 000
	- Sturgeon Falls		
31 Mar. 1981	Boise Cascade Canada Ltd.	156 847	20 000
	- Kenora	123 853	
	- Fort Frances	32 994	
16 Oct. 1980	American Can Canada Ltd.[c]	52 592	5 665
30 Nov. 1983	James River-Marathon Ltd.	59 866	8 300
	- Marathon		
Total		$ 1 381 784	186 015

[a] Estimated in 1978 constant dollars

[b] Abitibi-Price sold its Thorold mill to Fraser Inc. on 15 July 1984, and its Sault Ste. Marie mill to St. Mary's Paper Co. on 1 June 1984.

[c] American Can of Canada Ltd. sold its Marathon mill to James River - Marathon Ltd., on 22 April 1983.

Source: Department of Regional Industrial Expansion

SECTION IX

MISCELLANEOUS STATISTICS

Table 9.1. Selected forest industry selling price indices in Canada, 1970-1983[a]

Year	Wood industries	Sawmills and planing mills	Shingle mills	Veneer and plywood mills	Paper and allied industries	Pulp and paper mills	All manufacturing
1970	89.6	86.7	81.9	90.0	99.8	100.5	98.1
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1972	122.2	126.6	139.9	119.9	100.9	100.5	104.4
1973	151.9	162.1	162.9	137.9	112.1	113.3	116.1
1974	149.1	147.4	141.6	154.2	151.6	157.1	138.1
1975	151.3	145.9	175.2	159.2	178.4	189.1	153.7
1976	167.9	163.8	223.8	169.5	182.8	191.7	161.6
1977	188.7	190.7	270.5	175.2	193.5	204.6	174.3
1978	225.3	231.9	312.5	220.6	204.2	216.5	190.4
1979	260.8	274.7	309.2	242.2	239.6	258.2	217.9
1980	244.6	243.3	300.3	237.9	277.2	300.1	247.2
1981	245.4	229.8	300.6	266.4	306.1	329.5	272.4
1982	238.6	220.2	290.1	239.5	317.3	336.1	288.8
1983	264.8	253.2	342.2	256.3	307.3	307.5	298.7

[a] 1971 = 100

Source: Statistics Canada. Catalogue No. 62-011

Table 9.2. Industry selling price indices, selected forest products, Canada, 1970-1983[a]

	Softwood lumber			Softwood plywood		Wood pulp bleached paper grades for export		Newsprint
	Hemlock	Spruce	White pine	Douglas-fir	Spruce and pine	(Sulphate)	(Sulphite)	(Export)
1970	88.5	79.8	95.1	88.0	82.3	101.5	103.2	100.8
1971	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1972	126.6	136.0	114.2	121.0	127.8	93.4	97.1	102.8
1973	173.7	167.8	151.3	139.0	137.1	117.5	120.6	109.4
1974	161.7	133.9	164.4	153.8	138.3	187.7	191.8	136.7
1975	158.8	131.8	146.9	161.0	150.2	238.9	235.9	172.2
1976	173.5	159.5	152.6	173.8	167.2	230.6	218.8	177.6
1977	204.0	188.8	165.8	177.5	170.1	233.1	220.8	210.4
1978	239.2	242.9	200.5	228.8	212.6	213.1	210.1	236.4
1979	315.3	276.0	239.4	244.5	222.6	278.9	279.4	268.0
1980	289.1	219.4	250.1	240.3	219.8	341.0	342.1	300.2
1981	251.5	208.2	240.4	271.0	257.8	358.9	356.3	342.7
1982	247.1	188.7	236.5	244.2	201.3	339.4	341.1	358.9
1983	269.1	246.4	249.0	255.0	244.1	293.8	303.7	337.6

[a] 1971 = 100

Source: Statistics Canada. Catalogue No. 62-011

Table 9.3. Summary: capital and repair expenditures, forest industry, Ontario, 1970–1983

	Ontario					
	Logging	Wood	Paper and allied	Total Ontario	Total Canada	Ont. as % of Canada
	$ '000 000					
1970	26.5	30.3	162.7	219.5	1 155.7	19
1971	26.7	25.3	160.8	212.8	1 207.5	18
1972	31.5	39.8	132.7	204.0	1 212.1	17
1973	46.0	63.2	162.1	271.3	1 432.0	19
1974	58.6	92.2	251.6	402.4	1 803.4	22
1975	59.7	80.5	282.6	422.8	1 722.7	25
1976	54.7	58.6	392.4	505.7	2 013.9	25
1977	73.5	59.0	385.2	517.7	2 174.9	24
1978	80.0	69.8	289.3	439.1	2 353.9	19
1979	97.3	80.3	404.8	582.4	2 856.5	20
1980	126.4	104.7	530.7	761.8	3 657.3	21
1981	139.1	101.7	898.7	1 139.5	4 447.7	26
1982 (P)	101.9	81.5	827.7	1 011.1	3 721.7	27
1983 (I)	101.7	63.2	603.3	768.2	2 913.0	26

(P) Preliminary
(I) Intended
Source: Statistics Canada. Catalogue No. 25-201, 25-202

Table 9.4. Corporate taxable income, forest industry sector, Canada and Ontario, 1974-1982

Year	Forestry		Wood industries		Paper and allied		Total manufacturing		Percentage[a]	
	Can.	Ont.	Can.	Ont.	Can.	Ont.	Can.	Ont.	Can.	Ont.
	$'000									
1974	42 160	4 172	182 922	37 986	744 411	261 061	6 279 829	2 972 730	14.8	10.1
1975	28 942	2 105	150 364	32 336	387 540	107 563	6 219 613	2 832 804	8.6	4.9
1976	43 436	2 753	245 446	35 027	375 114	70 511	5 850 503	2 771 188	10.6	3.8
1977	56 817	3 429	332 455	35 196	392 895	81 251	5 535 218	2 567 026	13.1	4.5
1978	65 406	5 573	554 759	52 091	644 059	151 874	6 762 325	2 965 755	17.7	6.9
1979	126 210	7 589	697 696	79 470	1 291 115	284 771	9 509 852	4 113 256	20.9	8.9
1980	147 949	11 374	318 650	57 150	1 378 262	409 936	10 863 269	4 622 537	15.6	10.1
1981	83 517	8 641	201 482	57 916	835 012	365 474	9 529 939	4 482 193	10.9	9.4
1982p	74 462	9 334	117 719	33 623	388 852	141 090	6 287 869	3 077 435	8.1	5.8

[a] Wood industries and paper and allied industries as percentage of manufacturing

Source: Statistics Canada. Catalogue No. 61-208

Table 9.5. Summary of housing starts,[a] 1975-1984 (seasonally adjusted at annual rates)

Period	Atlantic	Quebec	Ontario	Prairies	B.C.	Canada
1975						
Actual	19 538	54 741	79 968	43 057	34 152	231 456
1976						
Actual	20 793	68 748	84 582	61 253	37 727	273 203
1977						
Actual	16 346	57 580	79 130	60 310	32 358	245 724
1978						
1st quarter	21 000	87 600	81 300	111 100	36 200	306 900
2nd quarter	12 200	45 700	55 900	59 500	23 300	196 600
3rd quarter	12 900	36 200	80 300	58 300	29 300	216 700
4th quarter	14 500	40 900	73 500	64 300	27 000	219 900
Actual	14 095	43 671	71 710	69 573	28 618	227 667
1979						
1st quarter	14 400	35 100	52 300	84 800	24 900	211 500
2nd quarter	16 500	46 200	51 500	53 400	24 500	192 100
3rd quarter	12 600	36 800	58 200	50 100	28 100	185 800
4th quarter	11 400	45 900	61 900	54 400	31 100	204 600
Actual	13 626	41 730	56 887	57 461	27 345	197 049
1980						
1st quarter	6 200	19 900	49 400	27 200	34 300	137 000
2nd quarter	9 600	27 600	35 900	36 100	31 100	140 800
3rd quarter	11 900	30 000	34 600	45 100	34 900	156 500
4th quarter	10 100	33 800	49 500	41 300	42 200	169 900
Actual	10 864	29 186	40 127	40 878	37 546	158 601
1981						
1st quarter	13 700	29 100	44 500	47 500	54 400	189 200
2nd quarter	10 300	39 000	65 600	62 500	44 400	221 800
3rd quarter	8 400	28 400	51 000	44 800	45 900	178 500
4th quarter	7 900	20 800	39 300	39 200	28 500	135 700
Actual	9 316	29 645	50 161	47 266	41 585	177 973
1982						
1st quarter	10 000	28 000	52 000	42 000	35 000	177 000
2nd quarter	6 000	16 000	29 000	48 000	18 000	117 000
4th quarter	11 000	37 000	46 000	26 000	15 000	135 000
Actual	8 412	23 492	38 508	35 641	19 807	125 860
1983						
1st quarter	14 000	38 000	70 000	36 000	17 000	175 000
2nd quarter	21 000	49 000	73 000	42 000	36 000	221 000
3rd quarter	9 000	34 000	45 000	24 000	19 000	131 000
4th quarter	12 000	38 000	43 000	18 000	19 000	130 000
Actual	14 393	40 318	54 939	30 388	22 607	162 645
1984						
1st quarter	8 000	58 000	45 000	19 000	15 000	145 000
2nd quarter	11 000	41 000	48 000	16 000	17 000	133 000

[a] Starts in urban centres of 10 000 population and over
Source: Statistics Canada. Catalogue No. 64-002

Table 9.6. Crown charges for unpeeled timber measured in tonnes, Ontario ($)

Species	Fiscal Year	Order-in-Council Licenses									
		Integrated licensee					Non-integrated licensee				
			Quarter					Quarter			
		Base	1	2	3	4	Base	1	2	3	4
Jack pine	1981/82	2.41	2.3318	3.4100	3.4864	3.4864	2.16	2.7009	2.8018	2.8841	2.6254
or white	1982/83	2.41	3.4627	3.5033	3.5033	3.4209	2.16	2.3701	2.4201	2.5291	2.6301
pine	1983/84	2.41	3.3769	3.4875	3.5473	3.4898	2.16	2.9051	3.4501	3.5551	3.1466
Scots pine	1981/82	2.50	3.4562	3.5382	3.6166	3.6166	2.25	2.8134	2.9186	3.0044	2.7348
	1982/83	2.50	3.5920	3.6341	3.6341	3.5407	2.25	2.4688	2.5293	2.6345	2.7397
	1983/84	2.50	3.5030	3.6177	3.6798	3.6201	2.25	3.0262	3.5944	3.7033	3.2777
Red pine	1981/82	2.32	3.2074	3.2834	3.3562	3.3562	2.09	2.6133	2.7110	2.7908	2.5403
	1982/83	2.32	3.3334	3.3725	3.3725	3.2932	2.09	2.2933	2.3494	2.4471	2.5448
	1983/84	2.32	3.2500	3.3573	4.4148	3.3594	2.09	2.8110	3.3380	3.4399	3.0446
Birch	1982/82	2.10	2.9032	2.9721	3.0379	3.0379	1.88	2.3508	2.4385	2.5104	2.2851
	1982/83	2.10	3.0173	3.0527	3.0527	2.9809	1.88	2.0628	2.1134	2.2012	2.2891
	1983/84	2.10	2.9426	3.0389	3.0910	3.0409	1.88	2.5286	3.0034	3.0943	2.7387
Hemlock	1981/82	2.17	3.0000	3.0711	3.1392	3.1392	1.95	2.4383	2.5294	2.6038	2.3702
	1982/83	2.17	3.1179	3.1544	4.1544	3.0803	1.95	2.1397	2.1920	2.2812	2.3744
	1983/84	2.17	3.0406	3.1402	3.1940	3.1422	1.95	2.6227	3.1152	3.2095	2.8407
Poplar	1981/82	0.41	0.5819	0.5937	0.6058	0.6194	0.37	0.5251	0.5357	0.5467	0.5590
	1982/83	0.41	0.6279	0.6136	0.6281	0.6049	0.37	0.5666	0.5718	0.5660	0.5459
	1983/84	0.41	0.5808	0.5760	0.5835	0.5925	0.37	0.5241	0.5198	0.5266	0.5347
Gr. 3	1981/82	0.35	0.4967	0.5068	0.5171	0.5288	0.32	0.4541	0.4633	0.4728	0.4834
mixed	1982/83	0.35	0.5160	0.5409	0.5362	0.5164	0.32	0.4901	0.4945	0.4902	0.4721
hardwood	1983/84	0.35	0.4958	0.4917	0.4981	0.5058	0.32	0.4533	0.4496	0.4554	0.4625

Source: Ontario Ministry of Natural Resources, Timber Sales Branch

Table 9.7. Crown charges for unpeeled timber measured in board feet, Ontario ($)

Species	Year	Order-in-Council Licenses									
		Integrated licensee					Non-integrated licensee				
			Quarter					Quarter			
		Base	1	2	3	4	Base	1	2	3	4
Gr. 1 hdwd., except white birch for each 1000 bd ft	1981/82	21.0	25.2300	25.3846	25.4072	24.8590	19.00	22.8278	22.9670	23.0590	22.4915
	1982/83	21.0	24.3590	24.7564	24.9359	24.3333	19.00	22.0391	22.3987	22.5611	20.0159
	1983/84	21.0	23.8974	24.6154	25.8333	26.0641	19.00	21.6215	22.2711	23.3730	23.5818
Gr. 2 hdwd., except poplar and white birch for each 1000 bd ft	1981/82	10.50	12.6154	12.6923	12.7436	12.4295	9.50	11.4139	11.4835	11.5299	11.2457
	1982/83	10.50	12.1795	12.3782	12.4679	12.1667	9.50	11.0195	11.1993	11.2805	11.0079
	1983/84	10.50	11.9487	12.3077	12.9167	13.0321	9.50	10.8107	11.1355	11.6865	11.7909
Gr. 3 hdwd., except white birch for each 1000 bd ft	1981/82	2.10	2.5231	2.5385	2.5407	2.4859	1.90	2.2828	2.2967	2.3060	2.2491
	1982/83	2.10	2.4359	2.4756	2.4936	2.4333	1.90	2.2039	2.2399	2.2561	2.2016
	1983/84	2.10	2.3897	2.4615	2.5833	2.6064	1.90	2.1621	2.2271	2.3373	2.3582

Source: Ontario Ministry of Natural Resources, Timber Sales Branch

Table 9.8. Crown charges for timber measured in cubic metres, Ontario ($)

Conifers	1981/82	1.925	2.6613	2.7244	2.7848	2.7848	1.729	2.1619	2.2428	2.3087	2.1016
	1982/83	1.925	2.7658	2.7983	2.7983	2.7325	1.729	1.8972	1.9436	2.0244	2.1053
	1983/84	1.925	2.6973	2.7857	2.8334	2.7875	1.729	2.3255	2.7621	2.8457	2.5187
Poplar or white birch	1981/82	0.389	0.5521	0.5632	0.5748	0.5877	0.356	0.5052	0.5155	0.5260	0.5378
	1982/83	0.389	0.5957	0.6011	0.5959	0.5749	0.356	0.5452	0.5501	0.5453	0.5252
	1983/84	0.389	0.5510	0.5465	0.5536	0.5022	0.356	0.5043	0.5001	0.5067	0.5145

Source: Ontario Ministry of Natural Resources, Timber Sales Branch

Table 9.9. Selected financial and economic statistics, Ontario

	Unit of measurement	1983	1982	1981	1980
Gross provincial product at market prices	$ 000 000	146 221	133 231	127 105	111 607
Gross provincial product in constant (1971) prices	$ 000 000	50 400	48 575	51 199	49 622
Personal income	$ 000 000	109 249	120 648	108 173	93 730
Disposable income	$ 000 000	104 990[a]	98 109	89 209	77 188
Personal income per capita	$	14 661	13 342	12 681	10 937
Population	' 000	8 816	8 716	8 625	8 570
Employed labor force	' 000	4 096	4 067	4 171	4 053
Unemployed labor force	' 000	474	440	293	297
Unemployment rate	%	10.4	9.8	6.6	6. 6
Participation rate	%	67.1	67.3	67.6	66. 7
Dwelling starts	No.	54 939	38 508	50 161	40 127
Value of all building permits	$ 000 000	5 350	4 211	5 430	4 405
Estimated value of shipments:					
All manufacturing	$ 000 000	101 393[b]	91 680	94 061	82 171
Paper and allied inds.	$ 000 000	5 165[b]	4 841	5 130	4 599
Wood inds.	$ 000 000	1 598[b]	1 256	1 436	1 276
Retail trade	$ 000 000	38 982	35 343	33 732	29 666

[a] Estimate
[b] Preliminary
Source: Statistics Canada, Catalogue No. 13-201, 13-213, 25-202, 31-001, 31-203, 63-005, 64-002, 64-203, 71-001, 71-201, 91-201
Ontario Ministry of Treasury and Economics